OMI NO.: R0031V1
DATE 08-11-03 REV: BASIC

OPERATION & MAINTENANCE INSTRUCTION

MULTI-ELEMENT INTEGRATED TEST 3 (MEIT 3)
LOCAL TEST - SSPF

BOOK 1 OF 3

THIS DOCUMENT DOES NOT CONTAIN HAZARDOUS OPERATIONS

NATIONAL AERONAUTICS AND
SPACE ADMINISTRATION

JOHN F. KENNEDY
SPACE CENTER

THE BOEING COMPANY

MULTI-ELEMENT INTEGRATED TEST 3 (MEIT 3)
LOCAL TEST - SSPF

APPROVED BY:

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PAYLOAD TEST CONDUCTOR, BOEING

UB-C1 8/8/03
TEST DIRECTOR, NASA

8/8/03

8/8/03

8-8-03
8 Aug 03
NODE 2 PROJECT OFFICE, MSFC

UB-66 8-7-03
TECHNICAL INTEGRATION ENGINEER, NASA

8/7/03
JEM PROJECT TEAM, NASDA

REV-CHANGE	DATE	REASON	PAGES AFFECTED
BASIC	08-11-03		ALL

THIS PROCEDURE DOES NOT CONTAIN HAZARDOUS OPERATIONS

DATE 08-11-03

OMI NO.: R0031V1
REV: BASIC

OMI BACKUP SIGNATURE SHEET

OMI TITLE: **MULTI-ELEMENT INTEGRATED TEST 3 (MEIT 3) LOCAL TEST - SSPF**

SYSTEM	AGENCY CONTRACTOR /NASA	SIGNATURES CONTRACTOR	NASA
CDH	NASA	N/A	UB-G3 8/7/03
EPS	NASA	N/A	UB-G1 8-7-03
TCS	NASA	N/A	UB-G5 8/18/03
ECLSS	NASA	N/A	UB-G5 8/18/03
QUALITY	NASA	N/A	UB-F3 8/7/03
LOGISTICS	BOEING	8/7/03	N/A
OMD	BOEING	5/8/03	N/A
P/L COMM	CSOC	8/8/03	N/A
MOD	NASA	N/A	
FE	BOEING	N110 8/7/03	N/A
YOPS	BOEING	C124 8/8/03	N/A
VITT	BOEING	VITT 8-7-03	N/A
TCMS O&M	BOEING	N110 8-7-03	N/A
JEM SYSTEM	NASDA	8-7-03	N/A
SAFETY & QUALITY	NASDA	8/7/03	N/A
PM SYSTEM	MHI	8/7/03	N/A
RMS SYSTEM	NTS		N/A
C+T	NASA	N/A	UB-G2 8/8/03

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OBJECTIVE

THIS PROCEDURE WILL PERFORM INTEGRATED TESTING OF THE INTERNATIONAL SPACE STATION (ISS) ELEMENT INTERFACES THAT WILL BE UTILIZED BEGINNING WITH THE ISS FLIGHT 1J MISSION. THIS TEST WILL INCLUDE NODE 2, THE JAPANESE EXPERIMENT MODULE (JEM) AND THE KSC SPACE STATION FLIGHT EMULATOR (FE) AS ITS MAJOR COMPONENTS. OMRS REQUIREMENTS WILL BE SATISFIED DURING THE PERFORMANCE OF THIS OMI.

DESCRIPTION

THIS TEST WILL BE PERFORMED IN THE SPACE STATION PROCESSING FACILITY (SSPF), KENNEDY SPACE CENTER FLORIDA (KSC). THE FLIGHT EMULATOR WILL BE USED TO SIMULATE ISS ELEMENTS CURRENTLY ON ORBIT. THE SEQUENCES IN THIS PROCEDURE HAVE BEEN DIVIDED INTO THREE BOOKS. R0031V1 CONTAINS THE PRE-OPERATION, OPERATION SUPPORT SETUP AND POST OPERATION INSTRUCTIONS. R0031V2 CONTAINS THE OPERATIONS INSTRUCTIONS FOR THE ACTIVATION TEST AND R0031V3 CONTAINS THE OPERATIONS INSTRUCTIONS FOR THE SYSTEMS TESTS AND AND THE APPENDICES INCLUDING APPENDIX Z EMERGENCY INSTRUCTIONS.

BAR CHART

A BAR CHART DETAILING TEST FLOW INCLUDING SIMULTANEOUS OPERATIONS WILL BE AVAILABLE AT THE PRE-TEST BRIEFING. THE BAR CHART MAY BE UPDATED FOLLOWING DAILY PROGRAM MANAGEMENT REVIEW MEETINGS HELD THROUGHOUT THE TEST DURATION. AN AS RUN COPY OF THE BAR CHART WILL BE INCLUDED WITH THIS PROCEDURE WHEN THE PROCEDURE IS CLOSED.

SECTION I - INFORMATION

1.1 REFERENCED INSTRUCTIONS

1.1.1 REQUIRED DOCUMENTS

NUMBER	REV	TITLE
R0031V2	BASIC	MEIT3 LOCAL TEST (BOOK 2 OF 3)
R0031V3	BASIC	MEIT3 LOCAL TEST (BOOK 3 OF 3)
R01120V1	BASIC	NODE 2 SYSTEMS PREPS AND SUPPORT SEQUENCES - SSPF
R01120V2	BASIC	NODE 2 SYSTEMS TEST - SSPF
R3008	A	DC LOAD CONFIGURATION
R2513	A	ISS/PAYLOAD POWER QUALITY SUPPORT
R2530	C	C&T LAB O&M
R2010	BASIC	EPS SUPPORT OMI
R2009	BASIC	MEIT3/JEM COMMON SUPPORT PROCEDURE
R2220	BASIC	NODE 2 OPERATIONAL READINESS TEST
EMC-3418	BASIC	EME TPS
JTP-321014	NC (BASIC)	JEM LAUNCH SITE PROCEDURE, COMMON PROCEDURE – EPS GSE
JTP-321015	NC (BASIC)	JEM LAUNCH SITE OPERATION PROCEDURE, COMMON PROCEDURE – ATCS GSE
R2005	C	FLIGHT EMULATOR ACTIVATION AND CHECKOUT
R2008	BASIC	NODE 2/MEIT 3 SE OPERATION AND TEST SITE VERIFICATION – SSPF
R3510	BASIC	TCMS DAILY OPS

1.1.2 REQUIRED DRAWINGS

NUMBER	TITLE
JCX-2003117	JEM HOOK UP CHECK SHEET FOR MEIT3

1.1.3 INFORMATION DOCUMENTS

NUMBER	TITLE
SSP-50672	ISS PROGRAM SOFTWARE ICD, UNITED STATES ON-ORBIT SEGMENT TO JEM REV JULY 1, 2002
JTP-10041-3	COMMAND AND DATA HANDLING PROCEDURE JOINT TEST 2 APRIL 11 2002 (FLIGHT MODULE)
JCX-95163 REV D	JEM ASSEMBLY AND ACTIVATION SCENARIO
SSP-42000	USOS JEM ICD
SSP-42002	ISPR ICD

1.1.4 INFORMATION DRAWINGS

NUMBER	TITLE
82K07372	MIS
JTD-321801	MEIT3 CONFIGURATION – PM, JEM

1.2 COMPUTER SYSTEMS

1.2.1 SOFTWARE

1.2.1.1 TCMS SOFTWARE (PROGRAMS)

NUMBER	TITLE
6.0	TCMS SOFTWARE RELEASE 6.0A

APPLICATION SOFTWARE

SYSTEM	TITLE
C&DH	C&DH APPLICATION SUITE
EPS	EPS APPLICATION SUITE
C&T	C&T APPLICATION SUITE
TCS	TCS APPLICATION SUITE
ECLSS	ECLSS APPLICATION SUITE

1.2.1.2 MEIT FLIGHT SOFTWARE (PROGRAMS)

NOTE

THE CHART LISTING BELOW IS FOR REFERENCE ONLY, SPECIFICALLY THE RELEASE & VERSION NUMBER. ACTUAL CONFIGURATION WILL BE DOCUMENTED IN APPENDIX K.

NUMBER	TITLE
R4.5	CCS FLIGHT SOFTWARE
R2.1 V14	INTSYS FLIGHT SOFTWARE
R3 V1.0	PMCA FLIGHT SOFTWARE
R4 V32	PEP SOFTWARE
6S FINAL	PEP RECON CONFIG TABLE
3.2/P1	MSS SOFTWARE 15A
R1 V06	N2SYS1 FLIGHT SOFTWARE
R1 V08	N2SYS2 FLIGHT SOFTWARE
R4 V1.0	GNC FLIGHT SOFTWARE
REL 6 EC2	PCS SOFTWARE
V23.01	JCP FLIGHT SOFTWARE P/N 80AC70201-111
V4.01	MDP SYSTEM SOFTWARE P/N 006421002G2
V5.11	MDP APPLICATION SOFTWARE P/N 006421002G2
V5.36	MDP DATA BASE P/N 006421002G2
V1.9	PDH SOFTWARE LOAD P/N NFT0A580005G10
TBLIMAX.DAT	PDH CCT TABLE
V2.05	SLT SOFTWARE P/N 80A573001-101
	RLT APPLICATION SOFTWARE
V2.36	RLT APPLICATION DATABASE

1.2.1.3 MEIT SIM SOFTWARE (PROGRAMS)

NUMBER	TITLE
N/A	PASS 1000 NASDA PAYLOAD SIMULATION
V2.30	JEMRMS ARM SIMULATOR
4.5.0	CES MATE SIMULATION
SIM R4_1_0	GNC MATE SUMULATION

1.2.2 SYSTEM CONFIGURATION

1.2.2.1 TEST SITE/FLIGHT EMULATOR SYSTEM REQUIREMENTS

INITIAL HARDWARE

C&DH:
2C&C MDM FEUS
GN&C MDM FEU
PCMU MDM FEU
INT MDM FEU
MATE 01
MATE 02
MATE 03
MATE 04
CDH 01
CDH 02
CDH 03
CDH 04
SUN 01
SUN 02
SUN 03
SUN 04
DBT 01
DBT 02
PCS 5 GROUND, 2 FLIGHT

TCMS:
1. TCMS FEPS 20, 21, 80 & 81

SUBSEQUENT HARDWARE

1. NASDA ARM SIMULATOR

1.2.2.2 TCMS SYSTEM REQUIREMENTS

1. APPLICATION PROCESSOR
2. ARCHIVE RETRIEVAL SUBSYSTEM
3. X-TERM CONSOLES (15 EA.)
4. FRONT END PROCESSOR
5. COLOR PRINTER

1.2.3 DATA REQUIREMENTS (REAL TIME)

ARS, NASDA DPE, NASDA CLE, PDAS AND PASS 1000

1.2.4 DATA REQUIREMENTS (POST TEST)

NONE

1.3 SPECIAL TOOLS, EQUIPMENT AND MATERIALS

EQUIPMENT REQUIRED FOR THE PERFORMANCE OF THIS OMI IS RECORDED IN THE MEIT3 DELIVERABLE ITEMS SHEET (DIS). THE DIS WILL BE ATTACHED TO THIS PROCEDURE BEFORE THE START OF MEIT3.

1.3.1 BOEING-CAPPS (C&T) SUPPLIED EQUIPMENT

NOT APPLICABLE

1.3.2 BOEING-CAPPS SUPPLIED EQUIPMENT

REFERENCE OMI R0031V3 APPENDIX H, DIS FOR BOEING-CAPPS SUPPLIED EQUIPMENT

1.4 SUPPORT REQUIREMENTS

1.4.1 FREQUENCY UTILIZATION

FREQUENCY (MHZ)	PURPOSE AND REMARKS
N/A	

1.4.2 COMMUNICATIONS PER OR/OD

NOT APPLICABLE

1.4.2.1 VOICE

CONFIGURE PER OR/OD SAS

1. VOICE RECORDING CONTINUOUS WITH TIMING
   INDUSTRIAL AREA OIS CH. 050 THRU 059, 060, 061 MISSION AMP 15

2. LOCATIONS:

   SSPF ROOMS: 2393(CR#2), 1235(C&T), 2347(CMR),
   2387(CR#3), 2377 (CR#5-TCMS R),
   2359 (CR#8 – TCDS CR), 2398 (QMCR)

   FOOTPRINTS 5, 6

3. CHANNELIZATION

OIS_CH.	DISCIPLINE
050	NASA TEST DIRECTOR
051	PAYLOAD TEST CONDUCTOR
052	KSC INTEGRATED OPS #1
053	KSC FLUID OPS
054	KSC EPS SYSTEMS
055	KSC C&DH/FE SYSTEMS
056	KSC C&T SYSTEMS
057	KSC INTEGRATED OPS #2
058	NASDA COORDINATION
059	NASDA COORDINATION
060	MSFC COORDINATION
061	MSFC COORDINATION
062 THRU 065	SPARE
066	ALENIA COORDINATION
067 THRU 069	SPARE

1.4.2.2 WIDEBAND LANDLINES

NOT APPLICABLE

1.4.3 OPERATIONAL TELEVISION (OTV)

1. OTV CAMERAS TO BE RECORDED

CAMERA DESCRIPTION	CAMERA ID
CONTROL ROOM PCS 1	PCS1
CONTROL ROOM PCS 2	PCS2
CONTROL ROOM PCS 3	PCS3
CONTROL ROOM PCS 4	PCS4
NODE 2 PCS	PCS N2
JEM-PM PCS	PCS JEM
JEM-PM SLT	SLT
JEM-PM RLT	RLT
JEM RMS	RMS
FLIGHT EMULATOR RWS	FE RWS
JEM INTERNAL SURVEILLANCE	JEM INT
JEM EXTERNAL SURVEILLANCE	JEM EXT
NODE 2 INTERNAL SURVEILLANCE	N2 INT
NODE 2 EXTERNAL SURVEILLANCE	N2 EXT

2. OTV MONITORS TO BE PATCHED

MONITOR NUMBER	CAMERA NO.
TCS INTERMEDIATE BAY	TCS IB
TCS HIGH BAY	TCS HB

3. 1 X 6 SWITCHES

SWITCH NUMBER	POSITION	INPUT/CAMERA NUMBER

CONFIGURE PER OR/OD SAS

TYPE	LOCATION	NUMBER

CONFIGURE CCTV TO SSPF ROOMS 2347 (CMR), 2387(CR#3), 2393(CR#2) AND, 2398(QTMR).

1.4.4 COUNTDOWN DISPLAY/STATUS

DISPLAY REQUIRED	BLDG	ROOM	OPERATION TIME

1.4.5 PHOTOGRAPHIC REQUIREMENTS

SUBJECT	TYPE CAMERA	FPS	FILM LOAD	TIMING	REMARKS
IAA TEST (SEQUENCE 204)	A/R	A/R	A/R	A/R	PHOTOGRAPHER TO DETERMINE REQUIRED EQUIPMENT/SETTINGS

1.4.6 METEOROLOGICAL

1.4.6.1 FORECASTS

USA DUTY OFFICER WILL NOTIFY ON THE PAGING SYSTEM WHEN LIGHTNING IS OBSERVED WITHIN 5 MILES OF THE INDUSTRIAL AREA.

1.4.7 SUPPORT EQUIPMENT/SERVICES

N/A

1.4.11 DATA DISPOSITION

DATA DESCRIPTION	OUTPUT FORM	DISTRIBUTION	QUANTITY ORIG/CYS	RECIPIENT	RETENTION
OIS VOICE RECORDINGS	CASS TAPE	GTS-719	X	X	*
PCS RECORDINGS	VCR TAPE AND CD	BOEING E186	X	X	*
TCMS RECORDINGS	OPTICAL DISK	BOEING E182	X	X	*
PDAS	DISK	BOEING EPS	X	X	*
HDGR	TAPE	BOEING C&T	X	X	*

X = QUANTITY AND RECIPIENT TO BE SPECIFIED IN REAL TIME, IF REQUIRED.

* = RETAIN RECORDINGS FOR 30 DAYS AFTER LAUNCH.

1.4.13 SECURITY AND SAFETY

FACILITY SECURITY/ACCESS CONTROL AND CLEARANCE

- BARRICADES
- ROPES AND STANCHIONS
- GUARDS
- SIGNS
- SPECIAL BADGING

SAFETY - AREA SURVEILLANCE

1.4.14 ENVIRONMENTAL CONTROL

STANDARD SSPF HIGH BAY SUPPORT

1.4.18 OTHER SUPPORT

N/A

1.5 PERSONNEL CERTIFICATION REQUIREMENTS

1.5.1 SKILL CERTIFICATIONS/LICENSE REQUIREMENTS

NOT APPLICABLE

1.5.2 CONTROLLED AREA ACCESS

THE JEM-PM INTERNAL MANLOADING WILL BE CONTROLLED BY THE PTC WITH NASDA TEST CONDUCTOR CONCURRANCE

THE NODE 2 INTERNAL MANLOADING WILL BE CONTROLLED BY THE PTC

1.6 SAFETY REQUIREMENTS

1.6.1 SAFETY DOCUMENTATION

NUMBER	TITLE
KHB 1700.7	STS PAYLOAD GROUND SAFETY HANDBOOK
KHB 1710.2	KSC SAFETY PRACTICES HANDBOOK (KSC)
BP1009	BSCO EMERGENCY PREPAREDNESS PLAN
BP 3061	PAYLOAD SERVICES EMERGENCY PREPAREDNESS PLAN
SP 1.004	MISHAP REPORTING, INVESTIGATION, AND ACTION
BP1000	BOEING SAFETY AND HEALTH PLAN
KHB 1840.1	KSC INDUSTRIAL HYGIENE HANDBOOK
O&SHA-GSE-0001	OPERATIONS & SUPPORT HANDBOOK AMMONIA SAFETY PLAN

1.6.2 HAZARDS

LIST OF HAZARDS

480 VAC – 100 AMP, 3 PHASE POWER
208 VAC – 100 AMP, 3 PHASE POWER
28 VDC – 40 AMP POWER
120 VAC – 15 AMP, SINGLE PHASE
160 VDC – 100 AMP, TRILECTRON POWER

HEALTH HAZARDS

NOT APPLICABLE

1.6.3 SPECIFIC REQUIREMENTS

1. EMERGENCY INSTRUCTIONS ARE CONTAINED IN APPENDIX Z OF THIS OMI. ALL PERSONNEL SHALL BE FAMILIAR WITH THE INSTRUCTIONS PERTAINING TO THEIR STATIONS. ALL PERSONNEL SHALL BE FAMILIAR WITH ALL EXITS FROM AREA IN WHICH THEY ARE WORKING. REFER TO BP1009, ANNEX A FOR ADDITIONAL EMERGENCY INSTRUCTIONS.

2. SHOULD A HAZARDOUS CONDITION DEVELOP DURING TESTING, THE TEST CONDUCTOR SHALL IMMEDIATELY INITIATE PROPER RECOVERY ACTION WHICH MAY INCLUDE ABORTING THE TEST PROCEDURE. SEE APPENDIX Z.

3. THE TASKLEADER / TEST DIRECTOR WILL REVIEW THE JSC LESSONS LEARNED DATABASE WITHIN 14 WORKING DAYS PRIOR TO THIS OPERATION AND ENSURE THAT THERE ARE NO LESSONS LEARNED APPLICABLE TO THIS OPERATION OR THAT APPROPRIATE CONTROLS ARE IN PLACE.

4. MISHAP REPORTING WILL BE IN ACCORDANCE WITH SP 1.004. NOTIFY THE BOEING SAFETY OF ANY MISHAP OR CLOSE CALL AT 7-2901/7-5440.

5. ELECTRICAL CONNECTORS SHALL NOT BE CONNECTED/DISCONNECTED WHILE VOLTAGE IS APPLIED TO CONNECTORS EXCEPT AS IN ACCORDANCE WITH SPP-E03

6. WEATHER NOTIFICATION AND ASSOCIATED INSTRUCTIONS WILL BE IN ACCORDANCE WITH KHB 1710.2, CHAPTER 2.

1.6.3 SPECIFIC REQUIREMENTS (CONTINUED)

7. WEATHER NOTIFICATION OF SEVERE WEATHER/LIGHTNING – SSPF

PHASE 1 LIGHTNING

THIS "ADVERSE WEATHER ADVISORY" STATES LIGHTNING CONDITIONS MAY EXIST BEGINNING 30 MINUTES OR MORE FROM TIME ADVISORY IS ISSUED. PHASE 1 IS A SAFE OPERATIONS TIME FOR ALL OPERATIONS EXCEPT THOSE REQUIRING AN EXTENDED LEAD TIME TO SAFELY SECURE.

PHASE 2 LIGHTNING

THIS "FIVE MILE LIGHTNING ADVISORY" STATES LIGHTNING IS IN PROGRESS OR IS AN IMMEDIATE THREAT. SSPF OPERATIONS LISTED BELOW WILL TERMINATE WHEN THE PHASE 2 ANNOUNCEMENT IS MADE FOR THE INDUSTRIAL AREA, OR ALL AREAS OF KSC. IF LIGHTNING IS PREDICTED BY PHASE 1 BUT DOES NOT OCCUR, PHASE 2 WILL NOT BE ISSUED. THE SSPF IS A LIGHTNING PROTECTED FACILITY.

PHASE 1 IN EFFECT

BEGIN SECURING OPERATIONS ON: THE OPERATIONS LISTED IN PHASE 2 BELOW THAT REQUIRE AN EXTENDED LEAD TIME IN ORDER TO SAFELY SECURE AS DETERMINED BY THE TASK LEADER.

PHASE 2 IN EFFECT

NOT APPLICABLE

1.7 SPECIAL INSTRUCTIONS

1. PRIOR TO THE PERFORMANCE OF THIS OMI, A FORMAL CONSTRAINTS REVIEW WILL BE CONDUCTED.

2. PRIOR TO THE PERFORMANCE OF THIS OMI, A FORMAL PRE-TEST BRIEFING WILL BE CONDUCTED WITHIN 72 HOURS PRIOR TO THE START OF OPERATIONS. THE FOLLOWING ENGINEERING DISCIPLINES ARE REQUIRED TO BE PRESENT AT THE PRE-TEST BRIEFING:

   SYSTEMS ENGINEERS – NASA/CAPPS (EPS, GNC, VIDEO, AUDIO, MRDL/HRDL, IAA, ECLSS, C&DH, TCS, FE, YOPS)
   SAFETY REPRESENTATIVE – CAPPS
   PAYLOAD TEST CONDUCTOR – CAPPS
   QUALITY ENGINEERING – NASA/CAPPS
   TECHNICAL INTEGRATION ENGR – NASA
   NASA TEST DIRECTOR – NASA
   NODE 2 PROJECT OFFICE - MSFC
   JEM PROJECT OFFICE – NASDA
   QUALITY ASSURANCE – NASA/CAPPS

3. THE PAYLOAD TEST CONDUCTOR HAS RESPONSIBILITY FOR THE IMPLEMENTATION OF THIS OMI. ALL PERSONNEL PARTICIPATING IN THE OMI ARE UNDER HIS OVERALL CONTROL AND DIRECTION DURING TEST OPERATIONS. ANY OPERATIONAL PROBLEMS, CONCERNS OR CHANGES AFFECTING ACCOMPLISHMENT OF OMI TASKS OR OBJECTIVES, MUST BE COORDINATED WITH THE PAYLOAD TEST CONDUCTOR PRIOR TO IMPLEMENTATION, EXCEPT IN CASES OF EMERGENCY.

4. ANY PERSON PARTICIPATING IN AN OPERATION CAN CALL A STOP TO THE OPERATION IF IT IS APPARENT THAT TO CONTINUE WOULD EXPOSE PERSONNEL OR PROPERTY TO A DANGEROUS OR UNACCEPTABLE RISK.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

5. IN THE EVENT OF LOSS OF OIS COMMUNICATIONS, USE REGULAR TELEPHONE TO ESTABLISH COMMUNICATIONS AND PROCEED AT PTC DIRECTION.

CONTROL ROOM 2 PTC	867-6293 (MEIT CONTROL CENTER)
CONTROL ROOM 3	867-6239
NASDA TC	6296
MSFC N2 PROJECTS OFFICE	6296
QUALITY	867-5511/5512
TIE	867-6297
EPS	867-6359
C&T	867-6394
FSW	867-6383
C&DH	867-6243
TCS	6340
ECLSS	6340
TCMS CONSOLE	867-6663
TCMS CONTROL ROOM	867-6629
TCDS (USER ROOM 8)	867-6664
FLIGHT EMULATOR	867-0522
PDAS CONSOLE	6241
YOPS	867-0523/6443

ALL COMM PROBLEMS WILL BE REPORTED TO P/L COMM 7-4428.

6. ALL WORK STOPPAGES WILL BE DIRECTLY REPORTED TO THE PAYLOAD TEST CONDUCTOR.

7. OPERATION INSTRUCTIONS/OPERATION SUPPORT SETUPS

A. THE REQUIRED OPERATION INSTRUCTIONS AND OPERATION SUPPORT SETUPS CAN BE REPEATED AS REQUIRED.

B. ALL SEQUENCES IN THIS OMI ARE THE MASTER COPY AND WILL NOT BE BOUGHT OFF. ALL EXECUTIONS ON A SEQUENCE SHALL BE VIA A COPY OF THE OPERATION INSTRUCTIONS OR OPERATION SUPPORT SETUP. ALL PERMANENT DEVIATIONS TO THE SEQUENCES SHALL BE ENTERED INTO THE MASTER, THUS ENSURING SUBSEQUENT OPERATIONS INCLUDE THE DEVIATION.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

8. IF AN OPERATION INSTRUCTION WILL NOT OR CAN NOT BE COMPLETED BECAUSE OF SCHEDULING/SUPPORT/IPR CONSTRAINTS, QA WITH THE CONCURRENCE OF TIE AND PTC, WILL DRAW A LINE HORIZONTALLY WITHIN THE OPERATION INSTRUCTION INDICATING WHERE EXECUTION CEASED AND ANNOTATE GMT AND REASON.

9. WHEN TEST INTERRUPTIONS OCCUR (IPR/PR TROUBLESHOOTING, DAILY OPS, ETC.), DEVS AND/OR IPR/PR MAY BE USED TO DECONFIGURE FOR TEST INTERRUPTION AND RECONFIGURE FOR TEST COMPLETION.

10. NOTES MAY BE USED TO INDICATE THE COMPLETION OF AN OMRS AT THE END OF A SERIES OF STEPS. STEPS WITHIN THE SERIES MAY NOT BE ESSENTIAL TO THE OMRS. OUT OF ORDER PERFORMANCE REQUIRES AFFECTED SYSTEMS AND INTEGRATION CONCURRENCE ANNOTATED BY QA OR ENGINEERING IN AN ENGINEERING NOTE. ACTUAL IMPACT WILL BE DETERMINED BY THE SYSTEMS AND INTEGRATION ENGINEER.

11. WHEN MISSION SPECIALIST (CREW MEMBER) IS REQUESTED TO PERFORM A TECHNICIAN FUNCTION, QUALITY WILL ANNOTATE THE VERIFICATION/BUYOFF "CREW" AND WILL STAMP AND DATE.

12. THROUGHOUT THIS OMI, THE CALL SIGN "MS1" REFERS TO THE OPERATOR PERFORMING USOS OPERATIONS NORMALLY CONDUCTED BY THE CREW, SUCH AS KEYBD ENTRIES AND PCS LCD VERIFICATIONS, SWITCH THROWS AND PANEL VERIFICATION ON THE PAYLOAD PANELS (E.G. RWS). IF A SECOND OPERATOR IS REQUIRED, THEIR CALL SIGN WILL BE ASSIGNED BY THE PTC.

13. THROUGHOUT THIS OMI, THE CALL SIGN "MJ1" REFERS TO THE OPERATOR PERFORMING JAPANESE OPERATIONS NORMALLY CONDUCTED BY THE CREW, SUCH AS KEYBD ENTRIES AND SLT/RLT LCD VERIFICATIONS, SWITCH THROWS AND PANEL VERIFICATION ON THE PANELS (E.G. CCP). IF A SECOND OPERATOR IS REQUIRED, THEIR CALL SIGN WILL BE ASSIGNED BY THE PTC.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

NONCONFORMANCES/WAIVERS

14. IPR/PR VERIFICATION WITHIN PROCEDURES:

    A. AT MANY STEPS, REFERENCE NOTES WILL EXIST FOR OPEN NCR'S (PR'S (SUCH AS PVCS PR'S OR SCR'S), IPR'S, AND DN'S). IF THE ANOMALY REPEATS, THE OCCURRENCE WILL BE LOGGED AS A REPEAT TO THE ORIGINAL ANOMALY IN THE OUTER PAGE MARGIN OF THE AS-RUN COPY NEXT TO THAT STEP. NO NEW IPR/PR/DN WILL BE TAKEN.

    B. IF, HOWEVER, THE ANOMALY DOES NOT REPEAT AND THE STEP EXECUTES PER SPECIFICATION, THE ENGINEER WILL ADDRESS THIS SCENARIO RELATIVE TO THE ORIGINAL ANOMALY, AND COORDINATE WITH THE ANOMALY OWNER, AS APPROPRIATE.

    C. THE ANOMALY SHALL BE ANNOTATED AGAINST EACH STEP AT WHICH IT OCCURS. THE ENGINEER WILL DETERMINE IF DATA IS REQUIRED FROM SUBSEQUENT OCCURENCES OF THE SAME ANOMALY.

    D. AT SOME STEPS, REFERENCE NOTES MAY EXIST FOR CLOSED ("FIXED") IPR'S, PR'S, DN'S. IF THE ANOMALY REPEATS A 'NEW' IPR/PR SHALL BE TAKEN.

KNOWN DOCUMENTED NONCONFORMANCES OR ERRORS

15. IF THERE IS A REOCCURRENCE OF A KNOWN DOCUMENTED NONCONFORMANCE OR ERROR DURING ANY PHASE OF MEIT 3, THE APPLICABLE STEP WILL BE ANNOTATED BY QA OR ENGINEERING WITH THE FOLLOWING INFORMATION:

    NONCONFORMANCE STAMP
    NONCONFORMANCE REPORTING SYSTEM (BNS, PRACA, PVCS, NASDA, ALENIA, ETC)
    NONCONFORMANCE REPORT NUMBER
    NONCONFORMANCE DESCRIPTION

    THE NONCONFORMANCE INFORMATION IS REQUIRED BEFORE THE END OF SHIFT. IF THE INFORMATION CANNOT BE OBTAINED BEFORE THE END OF THE SHIFT, THEN A KSC IPR WILL BE OPENED.

16. IN ADDITION, IF THERE IS A NEED FOR ACTIVE STEPS TO BE PERFORMED TO RECOVER FROM THIS NONCONFORMANCE, A DEVIATION WILL BE USED FOR THE RECOVERY STEPS WITH THE NONCONFORMANCE INFORMATION STATED IN THE "REASON" SECTION.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

17. IN ADDITION, IF THERE IS A NEED FOR TROUBLESHOOTING TO HELP GATHER DATA FOR THE NONCONFORMANCE, A KSC IPR WILL BE OPENED IN THE BNS SYSTEM TO DOCUMENT THE TROUBLESHOOTING STEPS. THE IPR WILL CONTAIN AN INTERIM SUMMARY AND WILL BE TRANSFERRED TO THE ORIGINAL NONCONFORMANCE REPORT IN THE ORIGINAL NONCONFORMANCE REPORTING SYSTEM. KSC WILL NOT BE RESPONSIBLE FOR THE RESOLUTION OF THE NONCONFORMANCE.

18. THE PROCEDURE MAY CONTAIN NOTES ABOUT THE KNOWN NONCONFORMANCES TO ASSIST THE SYSTEM ENGINEER IN TEST EXECUTION.

19. THE LIST OF NASDA EXPECTED ERRORS WILL BE DOCUMENTED IN AN APPENDIX TO R0031.

20. ALL ANOMALOUS CONDITIONS RESULTING IN NONCONFORMANCE PAPER WILL BE OPENED AT THE IPR LEVEL. UPGRADE TO A PR/DR WILL ONLY OCCUR WITH IPR WORKSTEP/TEST TEAM AUTHORITY.

21. THE AFFECTED SYSTEM ENGINEER AND PTC CONCURRENCE IS REQUIRED TO WAIVE A CONSTRAINT.

22. POWER SHALL NOT BE APPLIED OR RESTORED IN THE EVENT OF FAILURE TO ANY PAYLOAD ELEMENT WITHOUT PTC, TIE, NODE 2 AND JEM CONCURRENCE.

23. IN THE EVENT OF AN USOS MDM OR FEU GOING TO DIAGNOSTIC MODE UNEXPECTEDLY, DATA DUMPS MAY BE INITIATED AFTER CONFIRMING THE MDM/FEU STATE. THE INFORMATION CONCERNING THE DATA DUMP WILL BE ANNOTATED ON THE NONCONFORMANCE UTILIZED FOR THE EVENT.

24. SPECIFIC INFORMATION IS REQUIRED TO BE DOCUMENTED IN AN IPR OR PR WHEN THE IPR OR PR IS OPENEND TO AID IN COMMUNICATING THE CONFIGURATION OF THE FLIGHT HARDWARE CDH SYSTEMS. THIS PAGE TWO WILL BE INCLUDED IN ALL KSC IPR AND PR OPENED DURING MEIT3.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

DATA VERIFICATION/COLLECTION

25. FOR STEPS INVOLVING VERIFICATION OF ENUMERATED DATA, THE STEP WILL SPECIFY THE STATE CONVERSION TEXT OR A STATE CODE VALUE. PCS AND GROUND DISPLAYS OFTEN OVERRIDE THE STANDARD OUT ENUMERATION FOR LENGTH OR CLARITY. FOR EXAMPLE, FOR USOS RPC SWITCH STATUSES, “NOT-OFF-OK” MAY BE DISPLAYED AS “CL”. WHEN THERE ARE DIFFERENCES BETWEEN TWO DIFFERENT SOURCES OF DATA, SUCH AS BETWEEN PCS AND TCMS, THE SYSTEM ENGINEER WILL DETERMINE WHETHER THE ENUMERATION TEXTS ARE EQUIVALENT. (THE RAW STATE CODE VALUES ON THE TWO SOURCES SHOULD BE THE SAME FOR A PARTICULAR SAMPLE OF THE PUI.) WHEN A DIFFERENT STATUS IS DISPLAYED THAN SPECIFIED IN THE STEP, THE SYSTEM AND INTEGRATION ENGINEERS SHALL DETERMINE IF THE DIFFERENCE NEEDS TO BE DOCUMENTED VIA A DEVIATION OR NONCONFORMANCE. OTHERWISE, INCONSISTENCIES MAY BE “PEN AND INK” CHANGES TO THE PROCEDURE.

26. WHEN MEASUREMENTS APPEAR IN ENGLISH AND METRIC IS EXPECTED (OR VICE VERSA), STANDARD CONVERSION TABLES MAY BE USED, OR THE EXPECTED VALUE MAY BE CALCULATED.

27. VERIFICATION MAY BE PERFORMED VIA DATA RETRIEVALS WHEN THE PARAMETER CHANGES COULD NOT BE VERIFIED DURING REALTIME UNLESS DISPLAY VERIFICATION IS REQUIRED BY OMRS.

28. VERIFICATIONS MADE FROM A DISPLAY CAN BE MADE FROM A DIFFERENT DISPLAY SOURCE THAN WHAT IS CALLED BY THE PROCEDURE (EXAMPLE TCMS VS. PCS)AS LONG AS THE DISPLAY USED IS NOT SPECIFIED IN THE ORMS. QA WILL ANNOTATE IN MARGIN WHICH SOURCE WAS USED.

29. MDM AND FEU DATA DUMPS VIA THE MATE MAY BE PERFORMED WITHOUT A DEVIATION, WITH THE CONCURRENCE OF THE TEST TEAM. THIS DOES NOT INCLUDE JCP/MDP/PDH, WHICH UTILIZE DIFFERENT COMMAND HEADER VALUES THAN PROVIDED THROUGH THE MATE FMT. DURING MEIT3, THE CCS CPU UTILIZATION MEMORY DUMP SHOULD BE RESTARTED AFTER OTHER MEMORY DUMPS ARE NO LONGER REQUIRED (CCS MEMORY ADDRESS 7DD138).

30. PASSIVE SLT/RLT DISPLAY WINDOW OPERATIONS MAY BE PERFORMED AS REQUIRED BY TASK LEADER WITHOUT NEED OF DEVIATION INCLUDING, BUT NOT LIMITED TO:

    A. OPEN, CLOSE, MINIMIZE, RESTORE AND/OR MOVE SLT/RLT WINDOWS
    B. NAVIGATION TO A SPECIFIC DISPLAY.

31. HARD COPY OR PCS PHOTOGRAPHS MAY BE TAKEN ANY TIME AT THE REQUEST OF THE TEST CONDUCTOR OR SYSTEMS ENGINEER DURING THE PERFORMANCE OF THIS TEST.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

32. THE PRIMARY C&C COMMAND LOG FILES MAY BE TRANSFERRED FROM THE C&C DISK TO A PCS USING THE FMT “GET” FUNCTION PER KCDH OR SSFE DIRECTION. THE FILES ARE CIRCULAR FILES AND MY BE OBTAINED MULTIPLE TIMES. DIRECTORIES MAY BE CREATED ON THE PCS TO STORE THE RETRIEVED FILES.

WORK AREA

33. WRIST STATS SHALL BE WORN WHENEVER PERSONNEL OR TOOLS MAY COME IN CONTACT WITH EXPOSED ELECTRICAL CIRCUITRY. THE REMOVAL/REPLACEMENT OF CONNECTOR DUST CAPS AND CONNECTING/DISCONNECTING OF CONNECTORS ARE SUCH CIRCUMSTANCES.

34. EGSE SURVEILLANCE CAMERAS MAY BE POSITIONED, ADDED, OR REMOVED TO SUPPORT TESTING AS REQUIRED WITH SYSTEM ENGINEER CONCURRENCE.

35. PORTABLE/MOBILE EQUIPMENT, LADDERS, STANDS, ETC. ARE TO BE UTILIZED TO GAIN ACCESS WITHOUT SPECIFIC CALLOUT IN THIS OMI. THE TASK LEADER MAY VERBALLY ALLOW INSTALLATION AND USE OF THIS EQUIPMENT. USE OF SUCH EQUIPMENT IS TO BE COORDINATED WITH THE YOPS & PTC.

PCS

36. THE DESIGNATION OF WHICH PCS TO USE FOR COMMANDING OR TELEMETRY VERIFICATION DURING TESTING MAY OR MAY NOT BE CALLED OUT IN THE PROCEDURES. IN EITHER CASE THE LOCATION MAY BE CHANGED OR ADDED REAL-TIME PER TASK LEADER DISCRETION WITHOUT A DEVIATION UNLESS A SPECIFIC PCS IS SPECIFIED FOR THE OMRS.

37. PCS OPERATORS MAY PERFORM PASSIVE CONSOLE OPERATIONS AS REQUIRED WITHOUT ANY ADDITIONAL DOCUMENTATION. SUCH AS OPENING, CLOSING, MINIMIZING, RESTORING, AND/OR MOVING ANY PCS DISPLAY WINDOW NEEDED IN THE PERFORMANCE OF A STEP OR PER TASK LEADER DIRECTION. ACTIVATING PROGRAMS, CHANGING BETWEEN ACTIVE PROGRAMS, DISPLAY MONITORING OF MEASUREMENTS, ADDING OF DDCT AND STATUSING OF PROGRAM UNIQUE IDENTIFIERS.

38. PASSIVE UNIX COMMANDS MAY BE PERFORMED AT ANY TIME IN THE PCS TERMINAL WINDOW WITH CONCURRENCE OF TASK LEADER.

39. ALL PCS NAVIGATION PATH CALLOUTS ARE BASED ON THE BEST AVAILABLE INFORMATION AT TIME OF PUBLICATION AND SHOULD BE USED AS REFERENCE ONLY. NAVIGATE PCS DISPLAYS AT TASK LEADER DIRECTION. PATH CALLOUTS MAY BE CHANGED BY “PEN-AND-INK” IN AS RUN COPY OF PROCEDURE WITHOUT DEVIATION.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

40. THE PCS OPERATOR MAY RESTART PCSCDS AND/OR RECONNECT THE PCS AT TO THE DIRECTION OF KCDH. CLOSE ALL DISPLAYS PRIOR TO RECONNECT. WHEN THE PCS RECONNECTS TO THE MDM, ALL OPEN DISPLAY PAGES CLOSE AND THE HOME PAGE AND CAUTION AND WARNING TOOL BAR AUTOMATICALLY RE-OPEN. OTHER DISPLAYS MAY BE RE-OPENED BY THE PCS OPERATOR AS REQUIRED.

41. IF A WORKSTEP CALLS FOR THE ISSUANCE OF A GIVEN COMMAND, ALL PCS STEPS NEEDED TO ISSUE THAT SINGLE COMMAND ARE AUTHORIZED EVEN IF NOT EXPLICITLY STATED. THE TWO CASES THAT APPLY ARE: 1) WHEN A COMMAND REQUIRES SELECTING A COMMAND BUTTON AND THEN PRESSING 'EXECUTE' TO ACTUALLY SEND THE COMMAND AND 2) WHEN A CONFIRMATION DIALOG BOX APPEARS AFTER PRESSING A COMMAND BUTTON AND/OR THE EXECUTE BUTTON, THE CONFIRMATION BOX MAY BE CLEARED BY PRESSING 'OK'. THE PCS OPERATOR WILL REPORT ALL STEPS TAKEN OVER OIS PRIOR TO PERFORMING THEM. IN BOTH OF THE ABOVE CASES ONLY ONE COMMAND IS SENT FROM THE PCS TO FLIGHT SOFTWARE. THIS SPECIAL INSTRUCTION DOES NOT APPLY TO TWO STEP COMMANDS (ARM/FIRE) WHICH CONSIST OF TWO ACTUAL COMMANDS TO FLIGHT SOFTWARE.

42. THE PCS POP-UP DIALOG BOXES WHICH ARE INFORMATIONAL ONLY MAY BE CLEARED WITH TASK/LEADER CONCURRENCE, WITHOUT NEED FOR A DEVIATION, OTHER PCS POP-UP DIALOG BOXES MAY REQUIRE DOCUMENTATION.

43. IF THE PCS DATA FIELD IS ALL ASTERISKS, PLACE CURSOR IN DATA FIELD TO READ STATUS.

44. THE PCS OPERATOR MAY RIGHT-CLICK ON ANY PCS DISPLAY FIELD OR BUTTON TO DISPLAY THE UNDERLYING PUI INFORMATION. COMMAND BUTTONS HAVE PUI ENDING WITH A ‘K’ AND MAY NOT BE ISSUED (PER A LEFT-CLICK) WITHOUT A WAD WORKSTEP. THE RESULTING DISPLAY WINDOWS MAY BE CLOSED VIA LEFT-CLICK WITHIN THE WINDOW OR BY PRESSING THE “ESC” BUTTON ON THE KEYBOARD.

    A. RIGHT CLICK ON DATA FIELD: SIGNAL PUI, OBJECT NAME
    B. LEFT CLICK ON DATA FIELD: NAME\DESCRIPTION, PLOT LIMITS
    C. RIGHT CLICK ON COMMAND BUTTON: COMMAND PUI, NAME/DESCRIPTION.
    D. LEFT CLICK ON COMMAND BUTTON: ISSUES COMMAND

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

45. TO ACCESS THE REALTIME VALUE OF A SIGNAL PUI ON PCS, OPEN A TERMINAL WINDOW AND ENTER:

    VIEWPUI <PUI> &
    THE PUI IS THE 13 CHARACTER PARAMETER IN UPPER CASE. MULTIPLE "VIEWPUI" WINDOWS MAY BE OPENED CONCURRENTLY. A DDCT CONTAINING THE PUI MUST BE ACTIVE IN ORDER TO VIEW THE DATA.

46. THE PCS NOTIFIES THE OPERATOR OF STATUS OF THE 1553 CONNECTION AND INCOMING DATA BY THE FOLLOWING DATA FIELD COLORS AND NOTATIONS:

    A. PURPLE FIELD WITH "D" AT THE FAR RIGHT = PROPER 1553 CONNECTION IS CONFIRMED, CDS IS RUNNING, BUT RECEIVING NO VALUES FOR THIS FIELD
    B. CYAN FIELD WITH "?" AT THE FAR RIGHT = 1553 INTERFACE IS NOT ACTIVE, AND SO PARAMETER VALUES ARE NOT AVAILABLE.
    C. CYAN FIELD WITH "S" AT THE FAR RIGHT = STATIC DATA. HAD VALID DATA BUT LOST IT.

47. THE PCS CLOCK WINDOW MAY BE DISPLAYED AT ANY TIME PER TASK LEADER'S DIRECTION WITHOUT THE NEED OF DEVIATION, PER THE FOLLOWING STEPS.

    A. RIGHT CLICK ON DESKTOP.
    B. SELECT "PROGRAMS"
    C. SELECT "CLOCK…"'

48. PCS LOG FILES MAY BE SAVED AND TRANSFERRED FROM THE PCS ANY TIME AT THE REQUEST OF THE TEST CONDUCTOR OR SYSTEMS ENGINEER.

49. PCS SCREEN CAPTURES MAY BE PERFORMED AT ANY TIME PER TASK LEADER'S INSTRUCTION.

50. IN THE EVENT OF A USER INTERFACE/DISPLAY 'FREEZE' ON THE USOS PCS, KCDH MAY INSTRUCT THE PCS OPERATOR TO POWER CYCLE THE PCS WITHOUT DEVIATION (EXISTING PCS PR 25079). REFERENCE APPENDIX L IN R0031V3 FOR DATA COLLECTION GUIDELINES IN THE EVENT OF A PCS LOCKUP OR AUTONOMOUS REBOOT. SOME OF THE REFERENCED INFORMATION MAY NOT BE AVAILABLE DEPENDING ON THE PARTICULAR SCENARIO. MULTIPLE OCCURRENCES OF PCS SYSTEM LEVEL ANOMALIES MAY BE DOCUMENTED ON SINGLE IPRS. IF THE "NEXT GENERATION" PCS IS UTILIZED, THE DATA TO BE COLLECTED MAY NEED TO BE REVISED.

51. BECAUSE UNIX IS CASE-SENSITIVE, THE UNIX-RELATED OPERATIONS (E.G. PCS, SUN, TCMS) IN THIS OMI ARE INTENDED TO BE DEPICTED IN THE COMBINATIONS OF UPPER AND/OR LOWER CASE AS THE OPERATOR WILL SEE THE DISPLAY DATA OR TYPE THE DESIRED COMMANDS. (SOMETIMES THE OMI TEMPLATE FORCES ALL CHARACTERS TO UPPER CASE.)

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

FLIGHT EMULATOR

52. ISS FEU FLIGHT SOFTWARE-RELATED ACTIVITIES, WHICH INCLUDE PPL LOADS, MDM DATA DUMPS, INDIVIDUAL MDM ACTIV/DEACTIV'S AND PCS OPERATIONS ARE CONTAINED IN SUB-TASK OMI R2005, "FLIGHT EMULATOR ACTIVATION AND CHECKOUT". THE CALLING STEP IN THE CONTROLLING WAD (OMI, IPR, PR, ETC.) WILL CONTAIN PERTINENT INFORMATION THAT PROVIDES TRACEABILITY OF THESE FLIGHT SOFTWARE ACTIVITIES. THIS INFORMATION WILL EITHER BE PART OF THE ORIGINAL CALLING STEP, OR BE RECORDED AT AND/OR ATTACHED TO THE CALLING STEP BY QM PER KCDH/KFSW DIRECTION.

53. FOR THE DATA BUS TESTER EQUIP, MONITORING/ARCHIVING CAN BE STOPPED/STARTED AND THE TRIGGERING CAN BE CHANGED AS REQUIRED PER TASK LEADER DIRECTION TO SUPPORT TESTING.

54. DURING THE PERFORMANCE OF THIS TEST, THE FOLLOWING SIMULATIONS MAY BE REBOOTED AS REQUIRED WITHOUT REQUIRING A DEVIATION TO BE INITIATED OR PRACA INITIATED. AN ENGINEERING NOTE WILL BE ANNOTATED IN THE PROCEDURE WHERE A SIMULATION REBOOT WAS PERFORMED. SIMULATIONS ARE:

    CES SIMULATION (POSSIBLE IMPACTS: SBAND TLM, TIME SYNC, PCS)
    GN&C SIMULATION

55. ATTEMPTED MATE COMMANDS THAT DO NOT ACTUALLY LEAVE THE MATE MAY BE REISSUED WITHOUT THE NEED FOR A DEVIATION.

56. THE DATA LOGGING TAPE ON THE CES MATE WILL BE CHANGED OUT ON A ROUTINE BASIS. THE TAPES WILL BE LABELED WITH THE DATE, AND START/STOP TIMES FOR ARCHIVAL PURPOSES.

57. MATE SCRIPT OUTLINES WILL BE ATTACHED TO THE PROCEDURE PRIOR TO THE START OF THE TEST IN APPENDIX E OF R0031V3. IF UPDATES ARE MADE, THE UPDATED OUTLINE(S) WILL ALSO BE ATTACHED.

58. CONSOLE OPERATORS ON MATE MAY PERFORM PASSIVE CONSOLE OPERATIONS AS REQUIRED WITHOUT ANY ADDITIONAL DOCUMENTATION, SUCH AS ACTIVATING PROGRAMS, SELECTING DISPLAYS, PERFORMING DATA RETRIEVALS, CHANGING BETWEEN ACTIVE PROGRAMS, DISPLAY MONITORING OF MEASUREMENTS, AND STATUSING OF PROGRAM UNIQUE IDENTIFIERS.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

TCMS

59. THE TCMS SYSTEM MAY BE REBOOTED EITHER PARTIALLY OR FULLY AT ANY TIME WITH TEST TEAM CONCURRENCE. DATA OCCURRING DURING THE REBOOT MAY NOT BE ARCHIVED DEPENDING ON THE TCMS SUBSYSTEMS BEING REBOOTED.

60. THE TCMS SYSTEM HAS AN EXCEPTION MONITOR (EMON), WHICH WILL SHOW THE EXCEPTION STATUS OF REQUESTED MEASUREMENTS. ONLY THE EXCEPTION FOR MEASUREMENTS BEING MONITORED ON THAT DISPLAY PROCESSOR (DP) WILL BE ANNUNCIATED AT THAT DISPLAY. EMON DOES NOT SHOW THE CURRENT VALUE OF THE PARAMETER. TO VIEW REAL-TIME MEASUREMENTS/VALUES OF THE PARAMETER(S), RUN THE DATA MONITOR (DMON) APPLICATION FROM MAINSCREEN.

61. TCMS IS PROCESSING SUBSETS OF S-BAND TELEMETRY (AS IT GOES FROM THE C&C TO THE ACBSP), AND CYCLIC DATA FOR NODE2 MDMS, PMCU MDM, JCP AND MDP. SOME PARAMETERS ARE PROCESSED FROM BOTH TELEMETRY AND CYCLIC DATA. TO DISTINGUISH THE SOURCE, A 14^{TH} CHARACTER HAS BEEN ADDED TO HE PUI FOR CYCLIC DATA. A 14^{TH} CHARACTER OF “1” INDICATES PMCU OR JCP-A CYCLIC DATA; AND A “2” INDICATES NODE2 MDMS, JCP-B OR MDP CYCLIC DATA. PUIS PROCESSED THROUGH S-BAN DO NOT HAVE A 14^{TH} CHARACTER.

62. THE ENGINEERING TITLES FOR THE PUIS PROCESSED BY TCMS MAY HAVE BEEN ABBREVIATED IN ORDER TO FIT WITHIN THE NUMBER OF CHARACTERS AVAILABLE ON TCMS.

63. CONSOLE OPERATORS ON TCMS MAY PERFORM PASSIVE CONSOLE OPERATIONS AS REQUIRED WITHOUT ANY ADDITIONAL DOCUMENTATION, SUCH AS ACTIVATING PROGRAMS, SELECTING DISPLAYS, PERFORMING DATA RETRIEVALS, CHANGING BETWEEN ACTIVE PROGRAMS, DISPLAY MONITORING OF MEASUREMENTS, AND STATUSING OF PUIS.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

64. LOGIN TO THE APPLICATION PROCESSOR MAY BE PERFORMED AS REQUIRED AT ANY OF THE USER CONSOLES. LOGIN SHALL BE PERFORMED AS FOLLOWS:

A. AT THE XTERM CONSOLE IN USER CONTROL ROOM, LOGIN TO THE AP.

1. IN THE LOGIN CHOOSER WINDOW UNDER DEFAULT HOST SELECT AP HOST, “RSGAP**3**”.

2. CLICK “OK”

B. AT THE LOGIN SCREEN ENTER:

1. <USER NAME>, PRESS <RETURN>

2. <PASSWORD>, PRESS <RETURN>

C. IN THE XTERM WINDOW, WHEN THE PROMPT APPEARS ASKING IF THE DISPLAY IS CORRECT, ENTER:

1. PRESS <RETURN>

D. WHEN PROMPTED TO START MAINSCREEN ENTER:

1. Y, PRESS <RETURN>

65. LOGOUT OF THE APPLICATION PROCESSOR MAY BE PERFORMED AS REQUIRED AT ANY OF THE USER CONSOLES. LOGOUT SHALL BE PERFORMED AS FOLLOWS:

NOTE

UNIX COMMAND LINE ENTRIES ARE CASE SENSITIVE.

A. FOR EACH ACTIVE APPLICATION SOFTWARE DISPLAY: CLICK THE “CLOSE APP” BUTTON IN THE UPPER RIGHT SECTION OF THE DISPLAY. IF THE “CLOSE APP” BUTTON DOES NOT EXIST, CLICK THE “QUIT” BUTTON IN THE UPPER RIGHT SECTION OF THE DISPLAY.

B. FROM THE SYSTEM MESSAGE MENU SELECT:

1. QUIT

C. FROM TCMS MAINSCREEN SELECT:

1. LOGOUT
2. OK

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

D. IN THE XTERM WINDOW PRESS <RETURN> TO VIEW THE PROMPT, ENTER:

1. EXIT, PRESS <RETURN>

E. ON TOOLCHEST ICON SELECT DESKTOP

1. LOGOUT
2. YES

F. WHEN PROMPTED TO SHUTDOWN WINDOWS AND LOGOUT SELECT:

1. YES

CAUTION AND WARNING

66. CAUTIONS & WARNINGS – EXPECTED CONDITIONS DO NOT REQUIRE THAT A NON-CONFORMANCE BE WRITTEN.

67. THE CAUTION AND WARNING DISPLAY SHALL BE ACTIVE AND ON TOP ON AT LEAST ONE PCS WITH VIDEO AVAILABLE FOR TEAM VISIBILITY. OTHER ACTIVITIES ON THAT PCS SHOULD BE KEPT TO A MINIMUM.

68. THE SLT/RLT OPERATOR MAY ACKNOWLEDGE MESSAGES ON SLT/RLT C&W SUMMARY PAGES PER TASK LEADER AND AFFECTED SYSTEM DIRECTION WITHOUT THE NEED FOR DEVIATION.

69. THE SLT OPERATOR MAY SILENCE ANY SLT BEEPING THAT IS CAUSED BY A C&W EVENT WITHOUT ASKING PERMISSION.

70. THE PCS OPERATOR MAY ACKNOWLEDGE MESSAGES ON PCS C&W SUMMARY PAGES PER TASK LEADER AND AFFECTED SYSTEM DIRECTION WITHOUT THE NEED FOR DEVIATION.

71. VIEWING OF ADVISORIES MAY BE TURNED ON OR OFF PER KCDH CONCURRENCE WITHOUT NEED FOR A WAD STEP OR DEVIATION. TURNING ADVISORIES ON OR OFF ONLY AFFECTS THE C&W DISPLAY AND DOES NOT SEND ANY COMMAND TO FLIGHT HARDWARE. C&W ALARMS/TONES MAY BE SILENCED AT KCDH OR SYSTEM ENGINEER DIRECTION.

72. ANY MESSAGE ON THE PCS C&W SUMMARY PAGE MAY BE INHIBITED/ENABLED AS LONG AS THE SYSTEM ENGINEERS AFFECTED BY THE MESSAGE CONCUR TO THE INHIBIT/ENABLE. WHEN A MESSAGE IS INHIBITED THERE WILL BE NO RECORD OF ITS ASSOCIATED EVENT OCCURING AGAIN, UNLESS THE C&C MDM (PRIME) IS RE-INITIALIZED OR THE MESSAGE IS RE-ENABLED. THE EVENT CODE OF AN INHIBITED EVENT WILL BE RECORDED AT THE STEP WHERE THE INHIBIT/ENABLE WAS PERFORMED.

73. DUE TO UNIQUE JEM DUAL CAUTION AND WARNING PANEL CONFIGURATION, C&W CAN BE SILENCED OR TRIGGERED FROM EITHER JEM WORKSTATION RACK OR JEM RMS RACK WITH NASDA AND KCDH CONCURRENCE WITHOUT DEVIATION UNLESS SPECIFIED BY OMRS REQUIREMENT.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

74. CAUTION AND WARNING PANEL LABELS ARE CURRENTLY BEING UPDATED TO REFLECT ΔP STATUS AS ΔP/ΔT. REFERENCE TO ΔP WILL BE EQUIVALENT TO ΔP/ΔT WITHOUT NEED OF DEVIATION.

75. CAUTION AND WARNING TONES CAN BE SILENCED PER TASK LEADER DIRECTION.

FLUIDS

76. FOR TCS PRESSURE, TEMPERATURE, AND FLOWRATE PARAMETERS, THE SYSTEMS ENGINEER WILL RECORD THE VALUE AND UNITS. PCS PARAMETERS ARE DISPLAYED IN MMHG, DEG. C, AND KG/HR FOR PRESSURE, TEMPERATURE, AND FLOWRATE RESPECTIVELY.

EPS

77. US LAB DDCU/RPCM SIMULATOR COOLING CAN BE ACTIVATED OR DEACTIVATED AS REQUIRED DURING TEST PER KEPS OR DESE DIRECTION.

C&T

78. THE JEM-PM HRMS COVER MAY BE REMOVED, INSTALLED, OR STOWED BY NASDA OR THEIR CONTRACTOR PERSONNEL AS NECESSARY TO SUPPORT PROCEDURE STEPS WITHOUT SPECIFIC CALLOUT.

79. THE JEM-PM HRMS FLIGHT PATCH CABLE MAY BE CONNECTED AND DISCONNECTED PER SPECIFIC OMI STEP WITHOUT ECDL ENTRY.

80. THE PEHG HAS A KNOWN TIMING ISSUE THAT INTERMITTENTLY CAUSES CORRUPTION OF CCSDS PACKETS BEING TRANSMITTED BY THE GATEWAY. IN THE EVENT OF RECURRENCE, THE SYMPTOMS MAY INCLUDE CCSDS SEQUENCE GAPS AND PACKET LENGTH ERRORS. ANY RECURRENCE SHALL BE RECORDED AS AN ENGINEERING NOTE IN THE AS-RUN PROCEDURE WITHOUT FURTHER TROUBLESHOOTING. RECURRENCE DOES NOT CONSTITUTE AN OMRS VIOLATION AS LONG AS LONG AS CONTINUITY AND CHANNELIZATION BETWEEN THE PEHG-JEM HIGH RATE GATEWAY AND USOS IS DEMONSTRATED. THIS CONDITION WAS PREVIOUSLY DOCUMENTED IN PRACA 2414 AND AI-MEIT-1-TC2R-0084.

81. THE HCOR HAS A KNOWN ISSUE IN WHICH THE HIGH RATE INPUTS MAY LOCK UP WHEN PASSTHROUGH IS ENABLED BUT NO SIGNAL IS PRESENT. THE CONDITION MAY BE RECOVERED BY DISABLING AND THEN RE-ENABLING THE PASSTHROUGH FOR THE SUBJECT INPUT. OCCURRENCE WILL BE RECORDED AS AN ENGINEERING NOTE IN THE AS-RUN PROCEDURE AND RECOVERY STEPS WILL BE PERFORMED ON A DEVIATION WITHOUT THE NEED FOR A NONCONFORMANCE REPORT.

1.7 SPECIAL INSTRUCTIONS (CONTINUED)

82. THE JEM-PM HRMS HEALTH STATUS (JSDC00FCK100J, ON SLT HRMS PAGE) MAY INDICATE “ABNORMAL” FOLLOWING OPENING OR CLOSURE OF PDB-WS RPC13. THIS IS A KNOWN TIMING ISSUE WHICH IS DOCUMENTED BY NASDA KNOWN ERROR C&DH-S001. OCCURRENCE WILL BE RECORDED AS AN ENGINEERING NOTE IN THE AS-RUN PROCEDURE, AND NO RECOVERY STEPS OR NONCONFORMANCE REPORT ARE REQUIRED.

83. PBIT FAULTS ARE EXPECTED ON THE PCS AUDIO SUBSYSTEM PAGE WHEN ONLY ONE FIBER OPTIC BUS IS POWERED (I.E. WHEN EITHER ABC 3 OR 4 IS OFF). WHEN THESE ARE OBSERVED, KCTE WILL VERIFY THAT THE ERROR THAT HAS OCCURRED IS THE EXPECTED ONE ON THE PCS AUDIO CBIU DETAILED STATUS PAGE. OCCURRENCE WILL BE RECORDED AS AN ENGINEERING NOTE IN THE AS-RUN PROCEDURE, AND NO RECOVERY STEPS OR NONCONFORMANCE REPORT ARE REQUIRED.

C&DH

84. THE JEM DATA PROCESSING EQUIPMENT (DPE) GROUND SUPPORT EQUIPMENT RECORDS JEM RELATED MIL-STD-1553B BUS DATA. THE SYSTEM RECORDS FOR APPROXIMATELY 8 HOURS, AFTER WHICH APPROXIMATELY HALF AN HOUR IS NEEDED TO PREPARE FOR THE NEXT RECORDING SESSION. THE DPE OPERATOR SHOULD INFORM THE TEST CONDUCTOR WHEN THE DPE WILL NOT BE ACTIVELY RECORDING, AND THEN AGAIN WHEN RECORDING HAS RESUMED. A NEW RECORDING SESSION MAY BE STARTED BEFORE THE PREVIOUS ONE IS FULL TO ENSURE CONTINUOUS RECORDING DURING SPECIFIC TEST ACTIVITIES.

85. THE USOS FLIGHT SOFTWARE CONFIGURATION FOR MEIT3 WILL BE ATTACHED TO THE PROCEDURE PRIOR TO THE START OF THE TEST IN APPENDIX K OF R0031V3. IF NEW SOFTWARE LOADS ARE MADE, THE UPDATES WILL ALSO BE ATTACHED.

86. IN THE EVENT OF A USER INTERFACE/DISPLAY ‘FREEZE’ ON THE JEM SYSTEM LAPTOP TERMINAL (SLT) OR RMS LAPTOP TERMINAL (RLT), KCDH WILL DOCUMENT THE OCCURENCE IN APPENDIX C OF R0031V3. WITH JAPANESE TEST CONDUCTOR CONCURRENCE, KCDH MAY INSTRUCT THE SLT/RLT OPERATOR TO POWER CYCLE THE SLT/RLT WITHOUT DEVIATION.

87. CONTROL BUS (CB-EXT-1, CB-EXT-2) COMMUNICATION TRAFFIC LOGS WILL BE MONITORED AND ARCHIVED BY THE DPE. IF FAILURE OF THE DPE OCCURS, CLT WILL BE CONFIGURED TO PERFORM CONTROL BUS MONITORING LOGGING FUNCTION INSTEAD OF DPE, WITH PTC AND TLM CONCURRENCE.

1.7.2 LIST OF ABBREVIATIONS (NON-STANDARD)

1. ALL ABBREVIATIONS USED, UNLESS OTHERWISE LISTED, ARE CONTAINED IN SPACE TRANSPORTATION SYSTEM AND ASSOCIATED PAYLOADS: GLOSSARY, ACRONYMS, AND ABBREVIATIONS, NASA REFERENCE PUBLICATION 1052.

2. THE FOLLOWING ABBREVIATIONS AND ACRONYMS WHICH ARE NOT DEFINED IN THE NASA ACRONYM PUBLICATION, ARE ALSO USED IN THIS OMI.

ABBREVIATION	DESCRIPTION
ABC	AUDIO BUS CONTROLLER
ASSY	ASSEMBLY
ASYNC	ASYNCHRONOUS
ATU	AUDIO TERMINAL UNIT.
BATT	BATTERY
BOB	BREAKOUT BOX
BSPLT	BASEPLATE
C&C	COMMAND & CONTROL
C&DH	COMMAND AND DATA HANDLING
CE	CARGO ELEMENT
CIP	COMPUTER INTERFACE PANEL
CWA	CAUTION & WARNING ANNUNCIATION
C&W	CAUTION AND WARNING
DAS	DATA ACQUISITION SYSTEM
DDCT	DATA DISPLAY CONFIGURATION TABLE
DDCU	DC-TO-DC CONVERTER UNIT
EATCS	EXTERNAL ACTIVE THERMAL CONTROL SYSTEM
ECDL	ELECTRICAL CONNECT DISCONNECT LOG
ECU	ELECTRONIC CONTROL UNIT
EDM	ENGAGE/DRIVE MECHANISM
EEATCS	EARLY EXTERNAL AMMONIA THERMAL CONTROL SYSTEM
EF	EXPOSED FACILITY
ERCA	EXTRAVEHICULAR MOBILITY UNIT RF CAMERA ASSEMBLY
ETCS	EARLY THERMAL CONTROL SYSTEM
ETVCG	EXTERNAL TV CAMERA GROUP
EXT	EXTERNAL
FAS	FLIGHT APPLICATION SOFTWARE

1.7.2 LIST OF ABBREVIATIONS (NON-STANDARD) (CONTINUED)

ABBREVIATION	DESCRIPTION
FCIC	FLOW AND CONTROL INSTRUMENTATION CART
FCV	FLOW CONTROL VALVE
FDIR	FAULT DETECTION ISOLATION AND RECOVERY
FE	FLIGHT EMULATOR
GPRV	GASEOUS PRESSURE REGULATOR VALVE
GSE	GROUND SUPPORT EQUIPMENT
HAC	HEAT ACQUISITION CONTROL
HCOR	HIGH-RATE COMMUNICATION OUTAGE RECORDER
HRDL	HIGH RATE DATA LINK
HRFM	HIGH RATE FRAME MULTIPLEXER
HRMS	HIGH DATA RATE MULTIPLEXER AND SWITCHER
HX	HEAT EXCHANGER
HZ	HERTZ
ICA	INTERNAL AUDIO CONTROLLER
IFHX	INTEGRATED FLIGHT HEAT EXCHANGER
IFTK	INTERFACE TEST KIT
IMCA	INTEGRATED MOTOR CONTROLLER ASSEMBLY
INH	INHIBIT
IRIG-B	INTERRANGE INSTRUMENTATION GROUP-B
ISS	INTERNATIONAL SPACE STATION
ITCS	INTERNAL THERMAL CONTROL SYSTEM
JCP	JEM CONTROL PROCESSOR
JEM	JAPANESE EXPERIMENT MODULE
JSC	LYNDON B. JOHNSON SPACE CENTER
KPA	KILOPASCALS
LMB	LEFT MOUSE BUTTON (PCS KYBD)
LOC	LOSS OF COMMUNICATION
MATE	MDM APPLICATION TEST ENVIRONMENT
MDM	MULTIPLEXER DEMULTIPLEXER
MTL	MODERATE TEMPERATURE LOOP
NCR	NONCONFORMANCE REPORT
ORU	ORBITAL REPLACEMENT UNIT
PCR	PORTABLE COMPUTER RECEPTACLE
PCS	PORTABLE COMPUTER SYSTEM

1.7.2 LIST OF ABBREVIATIONS (NON-STANDARD) (CONTINUED)

ABBREVIATION	DESCRIPTION
PCVP	PUMP CONTROL VALVE PACKAGE
PDB	POWER DISTRIBUTION BOX
PDH	PAYLOAD DATA HANDLING UNIT
PDU	POWER DISTRIBUTION UNIT
PFCS	PUMP AND FLOW CONTROL SUBASSEMBLY
PIB	POWER INTERFACE BOX
PLRPC	PROGRAMMABLE LOAD REMOTE POWER CONTROLLER
PM	PUMP MODULE
PM	PRESSURIZED MODULE
PMA	PUMP MOTOR ASSEMBLY
PMCU	POWER MANAGEMENT CONTROL UNIT
PPL	PREPOSITIONED PROGRAM LOAD
PTCS	PASSIVE THERMAL CONTROL SYSTEM
PU	PRESSURIZATION UNIT
REV	REVERSE

1.7.2 LIST OF ABBREVIATIONS (NON-STANDARD) (CONTINUED)

ABBREVIATION	DESCRIPTION
RLT	ROBOTICS LAPTOP TERMINAL
RMB	RIGHT MOUSE BUTTON (PCS KYBD)
RPC	REMOTE POWER CONTROLLER
RPCM	REMOTE POWER CONTROL MODULE
RPDA	REMOTE POWER DISTRIBUTION ASSEMBLY
RT	REMOTE TERMINAL
RMS	REMOTE MANIPULATOR SYSTEM
RWS	ROBOTIC WORK STATION
SE	SUPPORT EQUIPMENT
SLT	SYSTEM LAPTOP TERMINAL
SPDA	SECONDARY POWER DISTRIBUTION ASSEMBLY
SOC	STATE OF CHARGE
TCMS	TEST CONTROL & MONITOR SYSTEM
TMPLT	TEMPLATE
UOP	UTILITY OUTLET PANEL
UPS	UNINTERRUPTED POWER SYSTEM
VBSP	VIDEO BASEBAND SIGNAL PROCESSOR
VDC	VOLTS DIRECT CURRENT
VDD	VERIFICATION DESCRIPTION DOCUMENT
VDS	VIDEO DISPLAY SYSTEM
VLV	VALVE
VSU	VIDEO SWITCHER UNIT
WS	WORK STATION

1.7.3 CALL SIGNS/WORDS

KEY
CALL SIGN OR *CALL WORD – DESCRIPTION (LOCATION)

TEST MANAGEMENT
NTD – NASA TEST DIRECTOR (CONTROL ROOM)
TIE – NASA TECHNICAL INTEGRATION ENGINEER (CONTROL ROOM)
PTC – BOEING PAYLOAD TEST CONDUCTOR (CONTROL ROOM)
YOPS – BOEING OPERATIONS ENGINEER (FOOTPRINT)

NODE 2
NPO – MSFC NODE 2 PROJECT OFFICE (MSFC)

JEM LAUNCH SITE SUPPORT TEAM
*NTC – NASDA TEST CONDUCTOR (CONTROL ROOM)
TLM – MHI TASK LEADER (FOOTPRINT)
SLT – SLT OPERATOR (INSIDE JEM)
RLT - RLT OPERATOR (INSIDE JEM)
MJ1 – JEM OPERATOR (FOOTPRINT)
NSQ – NASDA SAFETY AND QUALITY

GENERAL
MS1 – MISSION SPECIALIST/PCS OPERATOR (ANY PCS LOCATION)
SST1 – BOEING STATION TECHNICIAN (FOOTPRINT)
SNT1 – BOEING NODE TECHNICIAN (INSIDE NODE)
SJT1 – BOEING JEM TECHNICIAN (INSIDE JEM)
VITT – FLIGHT CREW REPRESENATIVE
KSAF – NASA SAFETY ENGINEER
*PLC – PAYLOAD COMMUNICATIONS
*TL - TASK LEADER

EPS
KEPS – NASA ELECTRICAL POWER SYSTEMS ENGR (CONTROL ROOM)
KEME – NASA EME SYSTEMS ENGR (CONTROL ROOM)
KEP1 – NASA ELECTRICAL POWER SUPPORT ENGR (FOOTPRINT)
SDAS – BOEING POWER DATA ACQUISITION SYST ENG (CONTROL ROOM)
SQSE – BOEING POWER QUALITY SYSTEM ENGINEER (FOOTPRINT)
DESE – BOEING SUPPORT EQUIPMENT ENGINEER (FOOTPRINT)
DET1 – BOEING SUPPORT EQUIPMENT TECHNICIAN (FOOTPRINT)

C&DH
KCDH – NASA C&DH SYSTEMS ENGR (CONTROL ROOM)
KFSW – NASA FLIGHT SOFTWARE ENGR (CONTROL ROOM)

FLUIDS
KTCS – NASA FLUID SYSTEMS LEAD ENGR (CONTROL ROOM)
KECL – NASA ECLSS ENGINEER (CONTROL ROOM)
KTCN – NASA THERMAL CONTROL NODE ENGINEER (CONTROL ROOM)
SFSG – BOEING FLUID SYSTEM GSE ENGINEER (INTERMEDIATE BAY)
KFWT – BOEING FLUID TECHNICIAN (INTERMEDIATE BAY)

1.7.3 CALL SIGNS/WORDS (CONTINUED)

C&T
KCTE – NASA C&T SYSTEMS ENGR (CONTROL ROOM)
KCT1 – NASA C&T ENGINEER (FOOTPRINT)
SCNT – BOEING C&T, HIGH RATE ENGINEER (C&T LAB)
STVE – BOEING VIDEO SYSTEMS ENGINEER (C&T LAB)
SCT1 – BOEING C&T TECHNICIAN (C&T LAB)
*RWS – RWS OPERATOR (FOOTPRINT/FE)

QUALITY
DKQE – NASA QUALITY ENGINEER (QM ROOM)
DKQM – NASA QUALITY ASSURANCE MONITOR (QM ROOM)
DKQN – NASA QUALITY ASSURANCE (FOOTPRINT)
DKSQ – NASA SOFTWARE QUALITY ASSURANCE
*MQE – MISSION QUALITY ENGINEER - BOEING (QM ROOM)
DCQM - BOEING QUALITY ASSURANCE MONITOR (QM ROOM)
DCQA – BOEING STATION QUALITY ASSURANCE (FOOTPRINT)

FLIGHT EMULATOR
SSFE - BOEING FLIGHT EMULATOR SYSTEMS ENGR (FOOTPRINT)
SCDH - BOEING FLIGHT EMULATOR C&DH ENGR (FOOTPRINT)
SET1 – BOEING FLIGHT EMULATOR TECHNICIAN (FOOTPRINT)

TCMS
ACME – BOEING TCMS SYSTEM ENGR (TCMS ROOM)

TCDS
STEO – BOEING TCDS SYSTEM ENGR (TCDS ROOM)

1.8 APPLICABLE TECHNICAL REQUIREMENTS

1.8.1 FILE X OMRSD

REFER TO R0031V2 AND R0031V3 FOR OMRSD REQUIREMENTS

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
01-000			**PRE-OPERATION SETUP - MISSION UNIQUE DATA**	
01-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
01-002	PTC		REPORT THE CURRENT REVISION LEVEL OF THE FOLLOWING SUBTASK PROCEDURES AS LOADBOARDED. OMI R2005 REV:_____ RUN #:_____ FLIGHT EMULATOR ACTIVATION AND CHECKOUT OMI R2009 REV:_____ RUN #:_____ MEIT 3 COMMON SUPPORT PROCEDURE OMI R3008 REV:_____ RUN #:_____ DC LOAD CONFIGURATION-SSPF (PLRPC) OMI R3507 REV:_____ RUN #:_____ TCMS ACTIVATION/DEACTIVATION, MEIT (R&R2) SET OMI R2008 REV:_____ RUN #:_____ NODE 2/MEIT 3 SE OPERATION AND TEST SITE VERIFICATION - SSPF TPS EMC-3418 REV:_____ PTID #:_____ EME TEST SUPPORT OPERATIONS OMI R2530 REV:_____ RUN #:_____ C&T LAB O&M OMI R2513 REV:_____ RUN #:_____ ISS/PAYLOAD POWER QUALITY SUPPORT OMI R3510 REV:_____ RUN #:_____ TCMS DAILY OPS OMI R2010 REV:_____ RUN #:_____ EPS SUPPORT OMI OMI R2220 REV:_____ RUN #:_____ NODE 2 OPERATIONAL READINESS TEST OMI R01120V1 REV:_____ RUN #:_____ NODE 2 SYSTEMS PREPS AND SUPPORT SEQUENCES OMI R01120V2 REV:_____ RUN #:_____ NODE 2 SYSTEMS TEST	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
01-003	SSFE	DKQM	INSERT PROVIDED MATE SCRIPT OUTLINES AS APPENDIX E IN R0031V3 AND REPORT COMPLETE.	NV:_____
01-004	PTC	DKQM	INSERT PROVIDED DELIVERABLE ITEMS SHEET AS APPENDIX H IN R0031V3 AND REPORT COMPLETE.	NV:_____
01-005	KCDH	DKQM	INSERT PROVIDED MEIT3 FLIGHT SOFTWARE LIST AS APPENDIX K IN R0031V3 AND REPORT COMPLETE.	NV:_____
01-006	PTC	DKQM	PRE-OPERATION SETUP - MISSION UNIQUE DATA COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN)	NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
02-000			**PRE-OPERATION SETUP - COMM SUPPORT PREPS**	
02-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
02-002	PTC 7-4428	*PLC	VERIFY THE FOLLOWING SYSTEMS ARE OPERATIONAL AND READY TO SUPPORT OMI R0031. 1. OIS-INDUSTRIAL AREA 2. OIS VOICE RECORDINGS INITIATED 3. SSPF PAGING ACTIVE 4. PCS CAMERAS - HARDLINE VIDEO FEED 5. SSPF WALL CAMERAS ACTIVE 6. FOOTPRINT CAMERAS ACTIVE	
02-003	PTC 052	DKQM	PRE-OPERATION SETUP - COMM SUPPORT PREPS COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
03-000			**PRE-OPERATION SETUP - TCMS PREPS**	
03-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
03-002	PTC 052	ACME DKQM	CONFIGURE TCMS TO SUPPORT TESTING PER OMI R3510. RECORD THE TCID AND CURRENT REVISION LEVEL AND RUN NUMBER OF OMI R3510. SYSTEM SOFTWARE:_____ TCID:_____ REV:_____ RUN NUMBER _____ NV:_____	
03-003	PTC	ACME	TCMS 1. ACTIVATE LB FEP 20 AS FOLLOWS: DATA ACQUISITION AND PROCESSING ON CHANNEL 1 RAW DUMP ON CHANNEL 2 RAW DUMP ON CHANNEL 3 RAW DUMP ON CHANNEL 4 2. ACTIVATE LB FEP 21 AS FOLLOWS: DATA ACQUISITION AND PROCESSING ON CHANNEL 1 RAW DUMP ON CHANNEL 2 RAW DUMP ON CHANNEL 3 RAW DUMP ON CHANNEL 4 3. ACTIVATE LB FEP 80 AS FOLLOWS: DATA ACQUISITION AND PROCESSING ON CHANNEL 1 RAW DUMP ON CHANNEL 2 RAW DUMP ON CHANNEL 3 RAW DUMP ON CHANNEL 4 4. ACTIVATE LB FEP 81 AS FOLLOWS: DATA ACQUISITION AND PROCESSING ON CHANNEL 1 RAW DUMP ON CHANNEL 2 RAW DUMP ON CHANNEL 3 DATA ACQUISITION AND PROCESSING ON CHANNEL 4	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
03-004	PTC	ACME	VERIFY THAT OPTICAL DISK IS ACTIVE AND RECORDING 1553 BUS TRAFFIC.	
03-005	PTC	ACME KCDH KEPS KCNT KTCS	TCMS USER CONSOLE LOGIN TO TCMS, SELECT AND ACTIVATE REQUIRED PROGRAMS FOR TESTING FROM SECTION 1.2.1 AND RECORD BELOW:	
			ACTIVATED EPS APP SUITE ___ C&T APP SUITE ___ C&DH APP SUITE ___ S&M APP SUITE ___ TCS APP SUITE ___	
03-006	PTC 052	DKQM	PRE-OPERATION SETUP - TCMS PREPS COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN)	

NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

04-000 **PRE-OPERATION SETUP - LAPTOP COMPUTER CONFIGURATION**

04-001 PTC 052 DKQM RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

04-002 PTC KCDH DKQM RECORD THE FOLLOWING PCS DATA:

PCS NUMBER	SW VERSION	1553 CONNECTION
PCS 1		
PCS 2		
PCS 3		
PCS 4		
PCS 5		
PCS 6		
PCS 7		

NV:_____

04-003 PTC TLM VERIFY FLIGHT PCS STAGED AND IN THE JEM MODULE FOR THE CONNECTION AFTER COMPLETION OF EPS EMEM REQUIREMENT.

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

QUALITY WILL ANNOTATE AN N/A FOR THOSE NASDA LAPTOPS THAT ARE NOT PART OF THE TEST CONFIGURATION.

04-004 PTC TLM RECORD THE FOLLOWING NASDA LAPTOP DATA
TLM NSQ
DKQN

LAPTOP	UOP LOCATION
SLT	
RLT	

NV:_____

JV:_____

04-005 KCDH PTC PRE-OPERATION SETUP - LAPTOP COMPUTER
PTC DKQM CONFIGURATION COMPLETE.

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
05-000			**PRE-OPERATION SETUP - FLIGHT EMULATOR AND TEST SITE PREPS**	
05-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____ (DAY:HR:MIN)	
				NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP CMD RESP DESCRIPTION VERIF.

05-002 SSFE LET1 VERIFY/CONNECT THE FOLLOWING CABLES FROM THE 1553 MONITOR PANEL (CDH05A2-A4) TO 1553 BUS TCMS PATCH PANEL (CDH05A5) PER TABLE BELOW.

BUS	**FEP**	**FROM**	**TO**
LB SYS-N2-1A	LBF 81 A11-1A (BUS 1A)	CDH05A3 J10A	CDH05A5 J1A
LB SYS-N2-1B	LBF 81 A11-1B (BUS 1B)	CDH05A3 J10B	CDH05A5 J1B
LB EPS-N2-14A	LBF 81 A11-2A (BUS 2A)	CDH05A3 J13A	CDH05A5 J2A
LB EPS-N2-14B	LBF 81 A11-2B (BUS 2B)	CDH05A3 J13B	CDH05A5 J2B
LB EPS-N2-23A	LBF 81 A12-1A (BUS 3A)	CDH05A3 J15A	CDH05A5 J3A
LB EPS-N2-23B	LBF 81 A12-1B (BUS 3B)	CDH05A3 J15B	CDH05A5 J3B
LB SYS-N2-2A	LBF 81 A12-2A (BUS 4A)	CDH05A3 J12A	CDH05A5 J4A
LB SYS-N2-2B	LBF 81 A12-2B (BUS 4B)	CDH05A3 J12B	CDH05A5 J4B
CB CT-3A	LBF 80 A11-1A (BUS 1A)	CDH05 TCMS BC-1A J3	CDH05A5 J5A
CB CT-3B	LBF 80 A11-1B (BUS 1B)	CDH05 TCMS BC-1B J3	CDH05A5 J5B
CB INT-2A	LBF 80 A11-2A (BUS 2A)	CDH05A2 J11A	CDH05A5 J6A
CB INT-2B	LBF 80 A11-2B (BUS 2B)	CDH05A2 J11B	CDH05A5 J6B
CB INT-1A	LBF 80 A12-1A (BUS 3A)	CDH05A2 J9A	CDH05A5 J7A
CB INT-1B	LBF 80 A12-1B (BUS 3B)	CDH05A2 J9B	CDH05A5 J7B
LB SYS-N2-1A	LBF 80 A12-2A (BUS 4A)	CDH05A3 J9A	CDH05A5 J8A
LB SYS-N2-1B	LBF 80 A12-2B (BUS 4B)	CDH05A3 J9B	CDH05A5 J8B
CB EXT-1A	LBF 20 A11-1A (BUS 1A)	CDH05A1 J1A	CDH05A5 J9A
CB EXT-1B	LBF 20 A11-1B (BUS 1B)	CDH05A1 J1B	CDH05A5 J9B
CB GNC-2A	LBF 20 A11-2A (BUS 2A)	CDH05A2 J15A	CDH05A5 J10A
CB GNC-2B	LBF 20 A11-2B (BUS 2B)	CDH05A2 J15B	CDH05A5 J10B
CB CT-3A	LBF 20 A12-1A (BUS 3A)	CDH05 TCMS BC-1A J4	CDH05A5 J11A
CB CT-3B	LBF 20 A12-1B (BUS 3B)	CDH05 TCMS BC-1B J4	CDH05A5 J11B
CB EXT-2A	LBF 20 A12-2A (BUS 4A)	CDH05A1 J3A	CDH05A5 J12A
CB EXT-2B	LBF 20 A12-2B (BUS 4B)	CDH05A1 J3B	CDH05A5 J12B
CB EXT-2A	LBF 21 A11-1A (BUS 1A)	CDH05A1 J4A	CDH05A5 J13A
CB EXT-2B	LBF 21 A11-1B (BUS 1B)	CDH05A1 J4B	CDH05A5 J13B
CB EXT-1A	LBF 21 A11-2A (BUS 2A)	CDH05A1 J2A	CDH05A5 J14A
CB EXT-1B	LBF 21 A11-2B (BUS 2B)	CDH05A1 J2B	CDH05A5 J14B
LB SYS-N2-2A	LBF 21 A12-1A (BUS 3A)	CDH05A3 J11A	CDH05A5 J15A
LB SYS-N2-2B	LBF 21 A12-1B (BUS 3B)	CDH05A3 J11B	CDH05A5 J15B
LB SEPS-N2-14A	LBF 21 A12-2A (BUS 4A)	CDH05A3 J1A	CDH05A5 J16A
LB SEPS-N2-14B	LBF 21 A12-2B (BUS 4B)	CDH05A3 J1B	CDH05A5 J16B

T:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

05-003 KCDH SSFE VERIFY/CONFIGURE FLIGHT EMULATOR SUBSYSTEMS PER R2005C CORRESPONDING TO THE TABLE BELOW:

STATUS	**COMPONENT**	**MODE/STATUS**
	C&C1	PRIME
	C&C2	BACKUP
	PAYLOAD 1	OPERATIONAL
	GN&C1	WAIT
	PMCU1	OPERATIONAL
	INT SYS 1	OPERATIONAL
	SIMULATED S-BAND	STRING 2 (CT-3), HIGH RATE ACTIVE
	TELEMETRY PPL VERSIONS	RECORD:
	PMCU ORU EXISTANCE TABLE VER.	VER. 1000 – NO DEVICES IN EXISTANCE
	TIME SOURCE	SIMULATED SM (IRIG), LOCAL RTC
	STATION MODE	STANDARD
	ISS RAPID DEPRESS RESPONSE	INHIBITED
	ISS FIRE RESPONSE	INHIBITED
	ISS TOXIC ATMOSPHERE RESPONSE	INHIBITED
	JEM FIRE ISOLATION RESPONSE	INHIBITED
	NODE 2 FIRE ISOLATION RESPONSE	INHIBITED
	INT MDM FIRE ISOLATION RESPONSE	INHIBITED
	PRIMARY C&C MDM APPLICATIONS	
	LOAD SHED	DISABLE
	VEHICLE SAFING	DISABLE
	C&DH REDUNDANCY MANAGEMENT	ENABLE
	SMCC SAFING RESPONSE	DISABLE
	SMCC FDIR DISABLE	DISABLE
	AUTO TRANSITION TO SURVIVAL MODE	DISABLE
	BACKUP C&C MDM APPLICATIONS	
	LOAD SHED	DISABLE
	VEHICLE SAFING	DISABLE
	C&DH REDUNDANCY MANAGEMENT	ENABLE
	SMCC SAFING RESPONSE	DISABLE
	SMCC FDIR DISABLE	DISABLE
	AUTO TRANSITION TO SURVIVAL MODE	DISABLE

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP CMD RESP DESCRIPTION VERIF.

	RWS POWER SUPPLY	ON – OUTPUT ENABLED
	CEU	OFF
	DCP	OFF
	CVIU	OFF
	C&T POWER SUPPLY	ON – OUTPUT ENABLED
	VSU	OFF
	SCU	OFF
	IAC	OFF
	ABC 1	OFF
	ABC 2	OFF
	ATU	OFF
	PEHG	OFF
	HCOR	OFF
	VBSP	OFF
	HRFM	OFF

RECORD RUN NO.: _____

05-004 KCDH PTC PRE-OPERATION SETUP - FLIGHT EMULATOR AND TEST
PTC DKQM SITE PREPS COMPLETE.
052

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

06-000 **PRE-OPERATION SETUP - CHECS HARDWARE CONFIGURATION**

NOTE

THIS SEQUENCE PERFORMS THE CONNECTION OF ONE FLIGHT CHECS ORU TO ONE JEM UTILITY OUTLET PANEL (UOP) POWER/DATA BUS CONNECTOR. REFERENCE FIGURE 1: JEM CHECS UOP CONNECTION DIAGRAM.

06-001 PTC DKQM RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

06-002 KCDH RECORD SERIAL NUMBERS FOR THE CHECS ORU AND ASSOCIATED EQUIPMENT IN THE TABLE BELOW:

PART NO.	SERIAL NO.	NOMENCLATURE	QTY
SEG 16103191-301		SPECTROMETER	1
SEG 16103090-305		POWER/DATA CABLE	1

TL:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

EACH UOP CONNECTOR IN THE JEM PROVIDE BOTH 120VDC POWER AND A DATA BUS ACCESS POINT. THE CHECS ORU IS CONNECTED TO THE J3 UOP POWER/DATA BUS CONNECTOR ONLY FOR ACCESS TO THE LB CHECS JEM BUS.

JEM UOP LOCATION	**UOP DESIGNATION**	**DATA BUS (J3 CONNECTOR)**	**DATA BUS (J4 CONNECTOR)**	**POWER SOURCE/ SWITCH**
ISPR F2 FWD FLOOR	A1_FD2	1553 LB CHECS-JEM	N/A	PDU A2 RPC 11
ISPR A6 AFT FLOOR	B3_AD6	1553 LB CHECS-JEM	ETHERNET (PCS LAN)	PDU B2 RPC 12

FIG. 1 JEM CHECS UOP CONNECTION DIAGRAM

NOTE

THE WORDS "UOP LOCATION" AND "UOP CONNECTOR" IN THE REMAINDER OF THIS PROCEDURE WILL REFER TO THE DATA RECORDED IN THE FOLLOWING STEP.

06-003 KCDH

JEM
RECORD
UOP LOCATION : _____

UOP CONNECTOR: _____
(CHECS ORU USES J3 ONLY)

TL:_____

06-004 KCDH SJT1

JEM
VERIFY:
CHECS SPECTROMETER POWER LED – OFF

T:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE IF THE JEM MODULE IS POWERED OFF, TAKE A 'NOT PERFORMED' ON THE FOLLOWING STEP.	
06-005	KCDH	MS1	PCS JPM:EPS:UOPS 'JEM UOPS' VERIFY UOP LOCATION RPC SWITCH – OPEN	NOT PERFORMED:_____
06-006	KCDH	SJT1	JEM VERIFY UOP LOCATION RESET LIGHT – NOT ILLUMINATED	T:_____
06-007	KCDH	SJT1 NSQ	JEM REMOVE TETHERED CONNECTOR CAP FROM UOP CONNECTOR.	T:_____ JW:_____
06-008	KCDH	SJT1	JEM REMOVE CONNECTOR CAPS FROM IVCPDS/TEPC POWER/DATA CABLE(PART NO. SEG16103090-305).	T:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
06-009	KCDH	TLM	JEM	
	TLM	SJT1	CONNECT IVCPDS/TEPC POWER/DATA CABLE CONNECTOR	
	TLM	NSQ	"TO UOP J3 OR J4" TO JEM UOP CONNECTOR J3.	
		DKQN		
			OK TO CONNECT	TNW:_____
			OK TO CONNECT	JW:_____
			CONNECT OK	TNW:_____
			CONNECT OK	JW:_____
06-010	KCDH	SJT1	JEM	
		DKQN	CONNECT IVCPDS/TEPC POWER/DATA CABLE CONNECTOR "TO IVCPDS J1" TO CHECS SPECTROMETER DEVICE CONNECTOR J1.	
			OK TO CONNECT	TNW:_____
			CONNECT OK	TNW:_____
06-011	KCDH	PTC	PRE-OPERATION SETUP - CHECS HARDWARE	
	PTC	DKQM	CONFIGURATION COMPLETE.	
	052			
			GMT _____:_____:_____ (DAY:HR:MIN)	
				NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
07-000			**PRE-OPERATION SETUP - RESERVED**	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

THIS SEQUENCE IS INTENDED TO BE PERFORMED ONCE PRIOR TO MEIT ACTIVATION. ALL OTHER SUBSEQUENT CONFIGURATION CHANGES AND VERIFICATIONS WILL BE HANDLED IN THE BODY OF THE PROCEDURE.

08-000 **PRE-OPERATION SETUP - PRE-MEIT3 TCS SETUPS AND VALVE CONFIGURATION VERIFICATIONS**

08-001 PTC 052 DKQM RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

08-002 KTCS TLM VERIFY NASDA TCS/ECLSS GSE IS CONFIGURED TO SUPPORT MEIT TEST OPERATIONS PER DOCUMENT NUMBER JCX-2003117.

NASDA TCS:_____

VERIFY/CONFIGURE JEM VALVES

08-003 KTCS TLM VERIFY OR MANUALLY CONFIGURE JEM FLIGHT VALVES AS FOLLOWS:

TAG NO.	NOMENCLATURE	POSITION	VERIFIED OR CONFIGURED
MV3202	PM STBD IMV RETURN VALVE	CLOSE	
MV3201	PM STBD IMV SUPPLY VALVE	CLOSE	
HV3202	PM RADIAL PORT IMV RETURN VALVE	CLOSE	
HV3203	PM RADIAL PORT IMV RETURN VALVE	CLOSE	
HV3201	PM CONDENSATION WATER I/F VALVE	CLOSE	
SV3401	PM ATMOSPHERE SAMPLING VALVE	CLOSE	
MV3404	JPM SAMPLING MANUAL VALVE	CLOSE	
MV1153	LOOP CROSS OVER VALVE-A	ISOLATED (2WCL)	
MV1251	LOOP CROSS OVER VALVE-B	ISOLATED (2WCL)	
MV1252	TCA_M MTL THERMAL CONTROL VALVE	PORT B (IF_HX)	
MV1152	TCA_L MTL THERMAL CONTROL VALVE	PORT B (IF_HX)	
MV1352	TCA_L LTL THERMAL CONTROL VALVE	PORT B (IF_HX)	
MV1253	MTL NASA BYPASS VALVE	IFHX	
MV1351	LTL NASA BYPASS VALVE	IFHX	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP CMD RESP DESCRIPTION VERIF.

TAG NO.	NOMENCLATURE	POSITION	VERIFIED OR CONFIGURED
MV1182	MTL LOOP SOV A	OPEN	
MV1261	MTL LOOP SOV B	OPEN	
MV1381	LTL LOOP SOV A	OPEN	
MV1461	LTL LOOP SOV B	OPEN	
TCA-M-MV-1	TCA M GN2 MANUAL SOV	OPEN	
TCA-M-MV-3	TCA M GN2 MANUAL ACCUM IN SOV	OPEN	
TCA-M-AP-MV	TCA M MANUAL ACCUM MANUAL SOV	OPEN	
TCA-M-GSU-MV	TCA M GSU MANUAL VALVE	CLOSED	
TCA-M-MV-2	TCA M MANUAL VENT VALVE	CLOSED	
TCA-L-MV-1	TCA L GN2 MANUAL SOV	OPEN	
TCA-L-MV-3	TCA L GN2 MANUAL ACCUM IN SOV	OPEN	
TCA-L-AP-MV	TCA L MANUAL ACCUM MANUAL SOV	OPEN	
TCA-L-GSU-MV	TCA L GSU MANUAL VALVE	CLOSED	
TCA-L-MV-2	TCA L MANUAL VENT VALVE	CLOSED	
MV1263	JEMRMS SOV B	OPEN	
MV1163	JEFHX OUT SOV A	OPEN	
MV1164	JAL LOOP SOV A	CLOSED	
GP-M-BV	MTL GAS TRAP BYP VALVE	BYPASS	
GP-L-HV-A	LTL GAS TRAP MANUAL VALVE A	OPEN	
GP-L-HV-B	LTL GAS TRAP MANUAL VALVE B	OPEN	
GP-L-HV-C	LTL GAS TRAP MANUAL VALVE C	OPEN	
MV1311	THC A CHX FLOW MODULATE VALVE	-7 DEG	
MV1411	THC B CHX FLOW MODULATE VALVE	45 DEG	
MV1312	LTL BYPASS FLOW MODULATE VALVE A	-7 DEG	
MV1412	LTL BYPASS FLOW MODULATE VALVE B	38 DEG	
MV1161	EF HX MTL FLOW MODULATE VALVE A	-7 DEG	
MV1262	EF HX MTL FLOW MODULATE VALVE B	28 DEG	

NASDA TCS:_____

08-004 KTCS PTC PRE-OPERATION SETUP – PRE-MEIT3 TCS SETUPS
PTC DKQM AND VALVE CONFIGURATION VERIFICATIONS COMPLETE.
052

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

09-000 **PRE-OPERATION SETUP - EPS/EME PREPS**

09-001 PTC 052 DKQM RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____(DAY:HR:MIN)

NV:_____

NOTE

THE FOLLOWING STEPS VERIFY THE EPS SYSTEM IS CONFIGURED PROPERLY PRIOR TO TEST.

VERIFY INITIAL CONNECTS

09-002 KEPS DESE VERIFY TRILECTRONS 1-5 ARE CONNECTED TO UPS AND CONFIGURED TO SUPPORT MEIT3.

09-003 KEPS DESE VERIFY TRILECTRONS 1-5 HAVE BEEN CONNECTED TO NODE 2 AND CONFIGURED TO SUPPORT MEIT3.

09-004 KEPS DESE VERIFY NODE 2 TO JEM CONNECTIONS HAVE BEEN COMPLETED AND CONFIGURED TO SUPPORT MEIT3.

VOLTAGE/POLARITY CHECKS COMPLETE

09-005 KEPS VERIFY VOLTAGE/POLARITY CHECKS HAVE BEEN COMPLETED ON THE FOLLOWING CABLES.

CABLE	FUNCTION
82K06998-13	JEM SEC POWER 'A'
82K06998-14	JEM SEC POWER 'B'

PROCEDURE NUMBER: R2220 RUN: _____

SEQUENCE TITLE:_____

09-006 KEPS DESE VERIFY PDAS SENSOR CONNECTED TO JEM UOP PANEL UOP-B1-AD2 FOR POWER QUALITY MEASUREMENTS.

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			EME/POWER QUALITY PREPARATIONS	
09-007	KEME	KEPS	VERIFY TRILECTRON 3 AND 4 ARE NOT POWERED.	
			NOTE PERFORM THE FOLLOWING STEP IF THE EPS A OR B STRING MANUAL SWITCHES ARE CLOSED.	
09-008	KEPS	DET1 DKQN	OPEN EPS A AND B STRING MANUAL SWITCHES.	TNW:_____
				NOT PERFORMED:_____
			NOTE PERFORM THE FOLLOWING STEP IF EME TEST SUPPORT PREPS HAVE NOT BEEN COMPLETED PREVIOUSLY.	
09-009	KEPS	KEME DKQM	PERFORM EME TEST SUPPORT PREPS PER TPS EMC-3418. START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN)	NV:_____
				NOT PERFORMED:_____
09-010	KEPS	SQSE	VERIFY VENEABLE IS ON SSPF FLOOR READY TO SUPPORT MEIT3 TESTING.	
09-011	KEPS PTC 052	PTC DKQM	PRE-OPERATION SETUP - EPS/EME PREPARATIONS ARE COMPLETE. GMT _____:_____:_____(DAY:HR:MIN)	NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
10-000			**PRE-OPERATION SETUP - FACILITY EME MEASUREMENTS**	
10-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____(DAY:HR:MIN) NV:_____	
			NOTE DO NOT PERFORM THE FOLLOWING THREE STEPS IF THE FACILITY AMBIENT EME MEASUREMENTS HAVE ALREADY BEEN PERFORMED DURING PRIOR TESTING.	
			NOTE THE FOLLOWING STEP MUST BE PERFORMED IF PDAS IS ACTIVATED PRIOR TO EXECUTION OF THE FACILITY NOISE MEASUREMENTS.	
10-002	KEPS	SDAS DKQM	PERFORM DEACTIVATE PDAS PER OMI R2513. REPORT COMPLETE. START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN) NV:_____ NOT PERFORMED:_____	
10-003	KEME	KEPS	VERIFY TRILECTRON 3 AND 4 ARE NOT POWERED.	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE PERFORM THE FOLLOWING STEP IF THE EPS A OR B STRING MANUAL SWITCHES ARE OPEN.	
10-004	KEPS TLM	DET1 DKQN TLM NSQ	CLOSE EPS A AND B STRING MANUAL SWITCHES.	TNW:_____
				JW:_____
				NOT PERFORMED:_____
			NOTE THE FOLLOWING STEP WILL BE PERFORMED TO PROVIDE AMBIENT BASELINE DATA WITH GSE – ON AND FLIGHT – OFF.	
10-005	KEPS	KEME DKQM	PERFORM FACILITY NOISE (EME SELF COMPATIBILITY) MEASUREMENT PRIOR TO JEM ACTIVATION PER TPS EMC-3418. REPORT COMPLETE. START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN)	NV:_____
10-006	KEPS	DET1 DKQN	OPEN EPS A AND B STRING MANUAL SWITCHES.	TNW:_____
10-007	KEPS PTC	PTC DKQM	PRE-OPERATION SETUP – FACILITY EME MEASUREMENTS IS COMPLETE. GMT _____:_____:_____(DAY:HR:MIN)	NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
11-000			**PRE-OPERATION SETUP - EPS PDAS ACTIVATION**	
11-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____(DAY:HR:MIN) NV:_____	
11-002	KEPS	SDAS	VERIFY THAT PDAS IS CONFIGURED TO MONITOR NODE/JEM TEST POINTS PER DOC. R2513 AND READY TO SUPPORT MEIT3. RECORD THE PDAS SENSOR NUMBER, SERIAL NUMBER AND AMPERAGE CAPACITY IN R0031V3 APPENDIX B – PDAS SENSOR INFORMATION.	
11-003	KEPS	SDAS	ACTIVATE PDAS PER PROCEDURE R2513.	
11-004	KEPS PTC 052	PTC DKQM	PRE-OPERATION SETUP - EPS PDAS ACTIVATION COMPLETE. GMT _____:_____:_____(DAY:HR:MIN) NV:_____	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

12-000 **PRE-OPERAITON SETUP - PLRPC PREPS**

12-001 PTC 052 DKQM RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____(DAY:HR:MIN)

NV:_____

PLRPC LOCATIONS

12-002 KEPS DESE VERIFY AND RECORD PLRPC UNIQUE IDENTIFICATION NUMBER.

PLRPC#A JEM PM1 (STRING A) ID NUMBER: _____

PLRPC#B JEM PM2 (STRING B) ID NUMBER: _____

NOTE

SOME PLRPC'S ARE NOT REQUIRED UNTIL LATER IN TEST THEREFORE, COMPLETION OF THIS SEQUENCE IS NOT A CONSTRAINT TO CALL TO STATIONS.

NOTE

PERFORM THE FOLLOWING STEPS TO ASSIGN PHYSICAL LOADS TO LOGICAL LOADS PRIOR TO THE INITIAL USE OF EACH PLRPC.

12-003 KEPS DESE PLRPC A

ACTIVATE AND CONFIGURE PLRPC WITH THE FOLLOWING LOGICAL LOADS PER OMI R3008:

LOGICAL LOAD(Y)	PHYSICAL LOADS	CHANNEL STATUS
1	1-8,17-32	GREEN

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

12-004 KEPS DESE PLRPC B

ACTIVATE AND CONFIGURE PLRPC WITH THE FOLLOWING LOGICAL LOADS PER OMI R3008:

LOGICAL LOAD(Y)	PHYSICAL LOADS	CHANNEL STATUS
1	1-8,17-32	GREEN

12-005 KEPS PTC PRE-OPERATION SETUP – PLRPC PREPS
PTC DKQM COMPLETE.
052

GMT _____:_____:_____(DAY:HR:MIN)

NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
13-000			**PRE-OPERATION SETUP - TCS VALVE CONFIGURATION FOR JEM A STRING ACTIVATION (JCP A PRIMARY)**	
13-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____(DAY:HR:MIN)	NV:_____
13-002	KTCS TLM	TLM MJ1 NSQ	MANUALLY CONFIGURE THE LTL BYPASS FLOW MODULATE VALVE A TO FULLY OPEN (97 DEG).	TJW:_____
13-003	KTCS TLM	TLM MJ1 NSQ	MANUALLY CONFIGURE THE LTL BYPASS FLOW MODULATE VALVE B TO FULLY CLOSED (-7 DEG).	TJW:_____
13-004	KTCS TLM	TLM MJ1 NSQ	MANUALLY CONFIGURE THE EF HX MTL FLOW MODULATE VALVE A TO APPROXIMATELY 30 DEG BY MANUAL OVERRIDE.	TJW:_____
13-005	KTCS TLM	TLM MJ1 NSQ	MANUALLY CONFIGURE THE EF HX MTL FLOW MODULATE VALVE B TO FULLY CLOSED (-7 DEG).	TJW:_____
13-006	KTCS TLM	TLM MJ1 NSQ	MANUALLY CONFIGURE JLCV-A TO 1WCL POSITION.	TJW:_____
13-007	KTCS TLM	TLM MJ1	VISUALLY VERIFY JLCV-B IS IN 2WCL POSITION.	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
13-008	KTCS TLM	TLM MJ1	VISUALLY VERIFY THAT THE MTL TCV B IS IN IFHX.	
13-009	KTCS TLM	TLM MJ1	VISUALLY VERIFY THAT THE LTL TCV A IS IN IFHX.	
13-010	KTCS TLM	TLM MJ1	VISUALLY VERIFY THAT THE MTL TCV A IS IN IFHX.	
13-011	TLM	KTCS	ALL VALVES HAVE BEEN PROPERLY CONFIGURED. TLM: _____	
13-012	PTC 052	DKQM	PRE-OPERATION SETUP - TCS VALVE CONFIGURATION FOR JEM A STRING ACTIVATION (JCP A PRIMARY) COMPLETE. GMT _____:_____:_____(DAY:HR:MIN)	

NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

14-000 **PRE-OPERATION SETUP - CONNECT PCS LAPTOP TO NODE2 UTILITY OUTLET PANEL**

14-001 PTC 052 DKQM RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____(DAY:HR:MIN)

NV:_____

NOTE

THIS SEQUENCE PERFORMS THE CONNECTION OF ONE FLIGHT IBM THINKPAD 760 SERIES LAPTOP TO ONE NODE2 UTILITY OUTLET PANEL (UOP). REFERENCE FIGURE 1: NODE2 PCS/UOP CONNECTION DIAGRAM. REFERENCE THE PCS-TO-USL UOP CONNECTION DIAGRAM AT THE END OF THIS SEQUENCE FOR A GRAPHICAL DEPICTION OF THE CABLE CONNECTIONS.

14-002 KCDH RECORD SERIAL NUMBERS FOR THE PCS AND ASSOCIATED EQUIPMENT IN THE TABLE BELOW:

PART NO.	SERIAL NO.	NOMENCLATURE	QTY
SDG39129273-301 (BU65550M2-605)		MIL-STD-1553 PCMCIA CARD	1
SDZ39129262-303		IBM THINKPAD 760XD LAPTOP (PCS)(INCLU CD-ROM DRIVE, BATTERY PACK, 3GB HARD DRIVE)	1
SDG39129273-301		PCMCIA 1553 Y-ADAPTER CABLE	1
SEG39129263-301		20VDC POWER CABLE	1
SED39129272-303		120VDC/16VDC POWER SUPPLY	1
SEZ39129268-303		UOP 1553 DATA/120V POWER CABLE ASSEMB	1
SDZ39131205-301		PCS EXTERNAL FLOPPY DRIVE	1

TL:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

THE UTILITY OUTLET PANELS IN THE NODE2 PROVIDE BOTH 120VDC POWER AND 1553 OR ETHERNET DATA CONNECTIONS (REFERENCE THE TABLE BELOW). EACH UOP IS CONNECTED TO TWO UNIQUE 1553 DATA BUSSES, SO CARE MUST BE TAKEN TO ASSURE THE PCS IS CONNECTED TO THE CORRECT UOP IN ORDER TO SUPPORT THE TEST.

NODE2 UOP LOCATION	UOP DESIGNATION	DATA BUS (J3 CONNECTOR)	DATA BUS (J4 CONNECTOR)	POWER SOURCE/SWITCH
NODE2 AFT ENDCONE (PORT SIDE)	UOP1	1553 CB-INT-1	ETHERNET APM PWS	RPCM A NAD 1A4A / SWITCH 17

FIG. 1 NODE2 PCS/UOP CONNECTION DIAGRAM

14-003 KCDH SNT1 NODE2
VERIFY:
PCS – POWERED OFF

NOTE

IF THE NODE2 MODULE IS POWERED OFF, TAKE A 'NOT PERFORMED' ON THE FOLLOWING STEP.

14-004 KCDH MS1 PCS (JEM OR FLIGHT EMULATOR)
HOME:NODE2:EPS:RPCM N21A4A A:SWITCH 17
VERIFY:
UOP1 RPC SWITCH – OPEN
PUI: N2PN17FC1032J

NOT PERFORMED:_____

14-005 KCDH SNT1 NODE2
VERIFY:
UOP1 RESET LIGHT – NOT ILLUMINATED

T:_____

14-006 KCDH SNT1 NODE2
AT UOP1, REMOVE TETHERED CONNECTOR CAP FROM THE J3 UOP CONNECTOR.

T:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
14-007	KCDH	SNT1	NODE2 REMOVE TETHERED CONNECTOR CAP FROM 1553 DATA/120V POWER CABLE ASSY (PART NO. SEZ39129268-303) CONNECTOR "UOP".	
				T:_____
14-008	KCDH	SNT1	NODE2	
		DKQN	CONNECT 1553 DATA/120V POWER CABLE ASSY (PART NO. SEZ39129268-303) CONNECTOR "UOP" TO THE J3 UOP CONNECTOR.	
				OK TO CONNECT TNW:_____
				CONNECT OK TNW:_____
14-009	KCDH	SNT1	NODE2 REMOVE TETHERED CONNECTOR CAP FROM 1553 DATA/120V POWER CABLE ASSY (PART NO. SEZ39129268-303) CONNECTOR "DC POWER".	
				T:_____
14-010	KCDH	SNT1	NODE2 REMOVE TETHERED CONNECTOR CAP FROM 120VDC/16VDC POWER SUPPLY (PART NO. SEG39129272-303) CONNECTOR "J1 120VDC INPUT".	
				T:_____
14-011	KCDH	SNT1	NODE2	
		DKQN	CONNECT 1553 DATA/120V POWER CABLE ASSY (PART NO. SEZ39129268-301) CONNECTOR "DC POWER" TO 120VDC/16VDC POWER SUPPLY (PART NO. SEG39129272-303) CONNECTOR "J1 120VDC INPUT".	
				OK TO CONNECT TNW:_____
				CONNECT OK TNW:_____
14-012	KCDH	SNT1	NODE2 REMOVE TETHERED CONNECTOR CAP FROM 120VDC/16VDC POWER SUPPLY (PART NO. SEG39129272-303) CONNECTOR "J2 16VDC OUTPUT".	
				T:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
14-013	KCDH	SNT1	NODE2	
		DKQN	CONNECT 20V POWER CABLE ASSY (PART NO. SEG39129263-301) CONNECTOR "TO POWER SUPPLY" TO 120VDC/16VDC POWER SUPPLY (PART NO. SEG39129272-303) CONNECTOR "J2 16VDC OUTPUT".	
			OK TO CONNECT	TNW:_____
			CONNECT OK	TNW:_____
14-014	KCDH	SNT1	NODE2	
			REMOVE TETHERED CONNECTOR CAP FROM IBM THINKPAD 760XD LAPTOP (PART NO. SDZ39129262-303) POWER RECEPTACLE (LOCATED NEAR THE REAR OF THE LEFT SIDE).	
				T:_____
14-015	KCDH	SNT1	NODE2	
		DKQN	CONNECT 20V POWER CABLE ASSY (PART NO. SEG39129263-301) CONNECTOR "TO COMPUTER POWER RECEPTACLE" TO IBM THINKPAD 760XD LAPTOP (PART NO. SDZ39129262-303) POWER RECEPTACLE.	
			OK TO CONNECT	TNW:_____
			CONNECT OK	TNW:_____
14-016	KCDH	SNT1	NODE2	
		DKQN	INSTALL MIL-STD-1553 PCMCIA CARD (PART NO. SDG39129273-301) INTO IBM THINKPAD 760XD LAPTOP (PART NO. SDZ39129262-303) UPPER PCMCIA CARD SLOT.	
			OK TO CONNECT	TNW:_____
			CONNECT OK	TNW:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

CAUTION

THE PCMCIA CONNECTION IS VERY DELICATE.

CARE MUST BE TAKEN NOT TO EXCESSIVELY BEND THE PCMCIA Y-ADAPTER CABLE CONNECTOR WHILE CONNECTING TO THE PCMCIA CARD IN THE NEXT STEP.

14-017 KCDH SNT1 NODE2
DKQN CONNECT PCMCIA 1553 Y-ADAPTER CABLE (PART NO. SDG39129273-301) PCMCIA CONNECTOR TO MIL-STD-1553 PCMCIA CARD.

OK TO CONNECT TNW:_____

CONNECT OK TNW:_____

14-018 KCDH SNT1 NODE2
DKQN CONNECT PCMCIA 1553 Y-ADAPTER CABLE (PART NO. SDG39129273-301) PCMCIA COAX CONNECTORS TO UOP 1553 DATA/120VDC POWER CABLE ASSY (PART NO. SEZ39129268-303) COAX CONNECTORS AS FOLLOWS:

(BLUE)Y-ADAPTER (RED)UOP CABLE
"A" TO "CHAN A"

OK TO CONNECT TNW:_____

CONNECT OK TNW:_____

"B" TO "CHAN B"

OK TO CONNECT TNW:_____

CONNECT OK TNW:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

CONNECT VGA CABLE TO PCS

NOTE

PERFORM THE FOLLOWING TWO STEPS IF A VGA VIDEO CABLE IS TO BE CONNECTED TO THE LAPTOP TO SUPPORT GROUND TESTING. THIS DIRECT VIDEO LINE PROVIDES CLEAR VIDEO OF THE PCS DISPLAY SCREEN, WHICH CAN BE ROUTED THROUGH THE SSPF FACILITY VIDEO SYSTEM. OTHERWISE, TAKE A 'NOT PERFORMED' ON THE FOLLOWING TWO STEPS.

NOTE

PERFORM THE FOLLOWING STEP IF THE LAPTOP BACK PANEL IS CLOSED.

14-019 KCDH SNT1 NODE2
OPEN THE BACK PANEL OF THE LAPTOP.

T:_____

NOT PERFORMED:_____

14-020 KCDH SNT1 NODE2
DKQN CONNECT VGA EXTENDER CABLE (PART NO. N/A) TO THE LAPTOP EXTERNAL MONITOR PORT (FEMALE CONNECTOR LOCATED IN THE CENTER OF THE BACK PANEL).

OK TO CONNECT TNW:_____

CONNECT OK TNW:_____

NOT PERFORMED:_____
(PREVIOUS 2 STEPS)

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

EXTERNAL FLOPPY DRIVE INSTALLATION

NOTE

THE FOLLOWING STEPS PERFORM THE CONNECTION OF AN EXTERNAL FLOPPY DRIVE TO AN IBM THINKPAD 760 SERIES LAPTOP. IF IT IS NOT NECESSARY TO CONNECT THE FLOPPY DRIVE, TAKE A NOT PERFORMED ON THE FOLLOWING FIVE STEPS.

THIS SEQUENCE ASSUMES THAT THE LAPTOP IS POWERED OFF. THE FLOPPY DRIVE MAY BE CONNECTED TO THE PCS WHILE IT IS POWERED, BUT A RE-BOOT IS REQUIRED BEFORE THE SOFTWARE WILL RECOGNIZE THE ADDITION OF THE PERIPHERAL DEVICE.

14-021 KCDH RECORD
PCS LAPTOP
PART NO: _____

SERIAL NO: _____

DISKETTE DRIVE
PART NO: _____

SERIAL NO: _____

EXTERNAL DISKETTE DRIVE CASE
PART NO: _____

SERIAL NO: _____

TL:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE PERFORM THE FOLLOWING THREE STEPS IF THE DISKETTE DRIVE IS NOT ALREADY INSTALLED IN THE EXTERNAL DISKETTE DRIVE CASE.	
14-022	KCDH	SNT1	REMOVE TOP COVER OF EXTERNAL DISKETTE DRIVE CASE BY HOLDING THE BOTTOM OF THE CASE AND SLIDING THE TOP COVER TO THE REAR, THEN TILT THE FRONT UP AND OUT.	T:_____
14-023	KCDH	SNT1	INSERT THE DISKETTE DRIVE INTO THE CASE BY INSERTING THE FRONT END OF THE DRIVE INTO THE FRONT OF THE CASE, THEN PRESSING DOWN ON THE REAR OF THE DRIVE AT "PRESS HERE" UNTIL IT SNAPS INTO PLACE.	T:_____
14-024	KCDH	SNT1	REPLACE TOP COVER OF EXTERNAL DISKETTE DRIVE CASE BY PLACING THE REAR COVER KNOBS IN THE BOTTOM CASE SLOTS, PIVOTING THE COVER DOWN ONTO THE BOTTOM OF THE CASE, THEN SLIDING THE COVER FROM THE REAR TO THE FRONT, UNTIL IT SNAPS INTO PLACE.	T:_____
				NOT PERFORMED:_____ (PREV. 3 STEPS)

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
14-025	KCDH	SNT1 DKQN	CONNECT THE EXTERNAL DISKETTE DRIVE CONNECTOR TO THE EXTERNAL DISKETTE DRIVE RECEPTACLE, LOCATED AT THE REAR OF THE PCS LAPTOP.	
			OK TO CONNECT TNW:_____	
			CONNECT OK TNW:_____	
			NOT PERFORMED:_____ (PREV. 5 STEPS)	
14-026	KCDH PTC 052	PTC DKQM	PRE-OPERATION SETUP – CONNECT PCS LAPTOP TO NODE2 UTILITY OUTLET PANEL COMPLETE.	
			GMT _____:_____:_____(DAY:HR:MIN)	
			NV:_____	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
15-000			**PRE-OPERATION SETUP - VIDEO PRE-OPS**	
15-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____(DAY:HR:MIN) NV:_____	
			NOTE PERFORM THE NEXT STEP FROM "NASDA PROCEDURE" IF THE JEM EXTERNAL CAMERAS OR VIDEO TEST SET HAS NOT BEEN INSTALLED	
15-002	KCTE	TLM	PERFORM JEM EXTERNAL CAMERA INSTALLATION AND VIDEO TEST SET INSTALLATION PER NASDA CONFIGURATION DRAWING JEM HOOK-UP CHECK SHEET FOR MEIT 3 (JCX-2003117) FIGURE 8(1/2). REPORT COMPLETE CAMERAS INSTALLED: MA-EE AND EF-A START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN) NV:_____ NOT PERFORMED:_____	
15-003	KCTE PTC PTC 052	PTC DKQM	PRE-OPERATION SETUP – VIDEO PRE-OPS COMPLETE. GMT _____:_____:_____(DAY:HR:MIN) NV:_____	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
16-000			**PRE-OPERATION SETUP – JEM RMS**	
16-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: GMT _____:_____:_____(DAY:HR:MIN) NV:_____	
16-002	KGNC TLM	TLM RLT	RMS CONSOLE VERIFY THE FOLLOWING CONNECTIONS 1. RHC TO RMS CONSOLE 2. THC TO RMS CONSOLE 3. THE RLT TO DEDICATED RMS UOP	
16-003	KCTE TLM	TLM RLT	JEM VERIFY THE INTERNAL 1553B BUS MONITORS ARE CONNECTED WITH THE FOLLOWING BUS 1. WORKSTATION BUS 2. CONSOLE BUS 3. ARM BUS	

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

IF THE INTERNAL 1553B BUS MONITOR ARE NOT CONNECTED WITH THE FOLLOWING BUSES PERFORM THE FOLLOWING STEP.

16-004 KCTE TLM JEM
TLM RLT CONNECT THE BUS MONITOR CABLE TO RMS CONSOLE
NSQ CONNECTOR PANEL CPP 3778 AND THE FOLLOWING BUS MONITORS

(1) WORKSTATION BUS

OK TO CONNECT TJW:_____

CONNECT OK TJW:_____

NOT PERFORMED:_____

(2) CONSOLE BUS

OK TO CONNECT TJW:_____

CONNECT OK TJW:_____

NOT PERFORMED:_____

(3) ARM BUS

OK TO CONNECT JW_____

CONNECT OK JW_____

NOT PERFORMED:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
16-005	KCTE TLM	TLM RLT	JEM VERIFY THE JEM RMS ARM SIMULATOR IS CONNECTED TO THE JEM FOR SUPPORT OF RMS CONSOLE ACTIVATION AND JEM RMS GNC MASS PROPERTIES TEST.	
16-006	KCTE PTC 052	PTC DKQM	PRE-OPERATION SETUP – JEM RMS COMPLETE. GMT _____:_____:_____(DAY:HR:MIN)	

NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

17-000 **PRE-OPERATION SETUP - DAILY TCS GSE ACTIVATION**

17-001 PTC 052 RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____(DAY:HR:MIN)

NV:_____

CAUTION

NEVER OPEN TCA-L/M ACCUMULATOR INLET VALVE (SOV, MV, RV) DURING GSE PUMP CIRCULATION TO AVOID HARDWARE DAMAGE.

17-002 KTCS TLM VERIFY TCA-L/M ACCUMULATOR INLET VALVE (SOV, MV, RV) IS CLOSED.

NOTE

PERFORM THE FOLLOWING STEP IF EQUIPMENT HAS NOT BEEN ACTIVATED.

17-003 KEPS TLM TLM MJ1 ACTIVATE THE FOLLOWING EQUIPMENT. REPORT COMPLETE.

POWER SUPPLY EQUIPMENT(I)
POWER SUPPLY EQUIPMENT(II)
JEM POWER DEVICE EQUIPMENT NO.1

NOT PERFORMED:_____

NOTE

PERFORM EITHER OR BOTH OF THE FOLLOWING TWO STEPS TO SUPPORT TEST DAY ACTIVITIES AS DIRECTED BY KTCS.

17-004 KTCS TLM TLM MJ1 PERFORM RESOURCE SUPPLY EQUIPMENT ACTIVATION AND START MTL COOLANT PER JTP-321015. REPORT COMPLETE.

TAG NO.	NOMENCLATURE	VALUE (BD)
QI-102	MTL COOLANT FLOW RATE	

NOT PERFORMED:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

17-005 KTCS TLM PERFORM RESOURCE SUPPLY EQUIPMENT ACTIVATION AND START LTL COOLANT PER JTP-321015. REPORT COMPLETE.

TAG NO.	NOMENCLATURE	VALUE (BD)
QI-102	LTL COOLANT FLOW RATE	

NOT PERFORMED:_____

17-006 KTCS TLM PERFORM RESOURCE SUPPLY EQUIPMENT ACTIVATION AND START HEAT EXCHANGE COOLANT PER JTP-321015. REPORT COMPLETE.

TAG NO.	NOMENCLATURE	EXPECTED VALUE
TI-104	MTL HEAT EXCHANGE COOLANT SUPPLY TEMPERATURE	15.0 DEG_C
TI-101	LTL HEAT EXCHANGE COOLANT SUPPLY TEMPERATURE	15.0 DEG_C

JEM DPE ACTIVATION

NOTE

PERFORM THE FOLLOWING TWO STEPS IF THE DPE IS NOT ALREADY ACTIVATED.

17-007 KCDH TLM PERFORM JEM DATA PROCESSING EQUIPMENT ACTIVATION PER JTP-321014. REPORT COMPLETE.

17-008 KCDH TLM START DPE DATA LOGGING.

FILENAME: _____

NOT PERFORMED:_____
(PREVIOUS 2 STEPS)

SETUP PRE-PRESS CONTROL ADJUSTMENT

17-009 KTCS TLM START GSE ACCUMULATOR PRE-PRESS CONTROL ADJUSTMENT PER JTP-321015. REPORT COMPLETE.

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

START GN2 SUPPLY

17-010 KTCS TLM MANUALLY CONFIGURE JEM PM GN2 VALVES AS FOLLOWS. REPORT COMPLETE.

TAG NO.	NOMENCLATURE	POSITION
HV5111	STBD ENDCONE	OPEN
SV5121	STBD ENDCONE	OPEN
SV5131	STBD ENDCONE	OPEN

17-011 KTCS TLM START GN2 SUPPLY TO JPM AS FOLLOWS. REPORT COMPLETE.

DATA ID	DATA NAME	REQUIREMENT	RESULT
GSEL-PI106	N2 PRESS	506 - 726 KPAG	

17-012 KCTE PTC PRE-OPERATION SETUP – DAILY TCS GSE
PTC DKQM ACTIVATION COMPLETE

GMT _____:_____:_____(DAY:HR:MIN)

NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

PERFORM THE FOLLOWING SEQUENCE IF A PRE-TEST WALKDOWN IS REQUIRED TO VERIFY TEST CONFIGURATION PRIOR TO POWER UP.

18-000 **PRE-OPERATION SETUP - PRE-TEST WALKDOWN**

NOT PERFORMED:_____

18-001 PTC DKQN RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

18-002 YOPS PERFORM PRE-TEST WALKDOWN PER THE FOLLOWING SUBSTEPS:

1. SUPPORT EQUIPMENT CONNECTIONS/ CONFIGURATIONS DO NOT PRESENT A HAZARD TO PERSONNEL

2. NO OBVIOUS HARDWARE DAMAGE EXISTS

3. NO DEBRIS EXISTS IN TEST AREA

4. SE AND FLIGHT HARDWARE ARE CONFIGURED PROPERLY TO SUPPORT TESTING.

5. CONNECT/DISCONNECT LOG REFLECTS PROPER TEST CONFIGURATION.

RECORD ANY DISCREPANCIES FOUND:

_____

_____

_____

_____

_____

_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			SIGNATURES AFFIXED BELOW INDICATE CONCURRENCE WITH COMPLETION OF WALKDOWN CRITERIA STATED ABOVE:	
			SSFE _____	
			DESE _____	
			SFSG _____	
			KCDH _____	
			KEPS _____	
			KCTE _____	
			KTCS _____	
			KECL _____	
			*NTC _____	
18-003	YOPS	DKQN	PRE-OPERATION SETUP – PRE-TEST WALKDOWN COMPLETE.	
			GMT _____:_____:_____ (DAY:HR:MIN)	
				NV:_____

SECTION II - PRE-OPERATION SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

SEQUENCES 19-000 THROUGH 29-000 ARE RESERVED

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-000			**OPERATION SUPPORT SETUP - AUDIO SYSTEM ACTIVATION**	
30-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			POWER ON IAC-1 (FLIGHT EMULATOR)	
30-002	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:IAC1:CB_CT-1 RT STATUS '19 IAC 1' 1. **CMD**: INHIBIT FDIR PUI: LADD96IM0770K OPS: PRIM_CCS_INH_RT_FDIR_TMPLT EXECUTE GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: RT FDIR STATUS – INH PUI: LADP01MDAVRFJ (0) ENG: CCI DEVICE TABLE 16 FDIR INHIBIT STATUS	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE PERFORM THE FOLLOWING STEP IF RT 19 IS ENABLED.	
30-003	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:IAC1:CB_CT-1 RT STATUS 'RT STATUS' '19 IAC1' **CMD**: INHIBIT PUI: LADD96IM1019K OPS: PRIM_CCS_INH_RT_TMPLT EXECUTE GMT _____:_____:_____ (DAY:HR:MIN) NOT PERFORMED:_____	
30-004	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:IAC1:CB_CT-1 RT STATUS 'RT STATUS' '19 IAC1' VERIFY: RT STATUS – INH PUI: LADP01MDAVRBJ (0) ENG: CCI DEVICE TABLE 16 ENABLED	
30-005	KCTE	SSFE SET1	C&T POWER DISTRIBUTION BOX 2 POSITION IAC POWER SWITCH (S6) TO "ON" T:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-006	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:IAC1:CB_CT-1 RT STATUS 'RT STATUS' '19 IAC1' 1. **CMD**: ENABLE PUI: LADD96IM1018K OPS: PRIM_CCS_ENA_RT_TMPLT EXECUTE GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: RT STATUS – ENA PUI: LADP01MDAVRBJ (1) ENG: CC1 DEVICE TABLE 16 ENABLED **NOTE** THE FOLLOWING STEP ACTIVATES THE ATU IN THE FLIGHT EMULATOR. **POWER ON ATU 1 (FLIGHT EMULATOR)**	
30-007	KCTE	SSFE SET1	C&T POWER DISTRIBUTION BOX 1 POSITION ATU POWER SWITCH (S2) TO "ON"	T:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

CAUTION

WHEN ACTIVATED, ATU7 REQUIRES NODE2 MTL AND ATU15 REQUIRES NODE2 LTL.

NOTE

THE FOLLOWING STEPS ACTIVATE POWER TO THE ATU'S IN NODE 2.

POWER ON NODE2 ATU'S 7 & 15

30-008 KCTE MS1 PCS
HOME.PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM

'AUDIO ORUS'
'ATU'S'
'NODE2'

1. SELECT: 1
   SELECT: RPCM N21B4A_B_RPC_02
   'RPC POSITION'
   CMD: CLOSE
   PUI: LAPR96IM2541K
   OPS: RPCM_N21B4A_B_RPC_02_N2_ATU_1_CL
   REMARKS: ATU 7

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RPC POSITION – CL
   PUI: N2PN30FC1017J
   ENG: RPCM N2STB-1B4A-B SW02 VOLTAGE STATUS

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-009	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'ATU'S' 'NODE2' 1. SELECT: 2 SELECT: RPCM_N22A3A_A_RPC_02 'RPC POSITION' **CMD**: CLOSE PUI: LAPR96IM2517K OPS: RPCM_N22A3A_A_RPC_02_N2_ATU_2_CL REMARKS: ATU 15 GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: RPC POSITION – CL PUI: N2PN25FC1017J ENG: RPCM N2PRT-2A3A-A SW02 VOLTAGE STATUS **NOTE** THE FOLLOWING STEPS ACTIVATE THE ABC IN THE FLIGHT EMULATOR FOR MEIT III. **POWER ON LAB AUDIO BUS COUPLERS (ABC 1&2) (FLIGHT EMULATOR)**	
30-010	KCTE	SSFE SET1	C&T POWER DISTRIBUTION BOX 2 POSITION ABC-1 POWER SWITCH (S4) TO "ON"	T:_____
30-011	KCTE	SSFE SET1	C&T POWER DISTRIBUTION BOX 2 POSITION ABC-2 POWER SWITCH (S5) TO "ON" CLOSE	T:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

CAUTION

WHEN ACTIVATED, ABC3 REQUIRES NODE2 MTL AND ABC4 REQUIRES NODE2 LTL.

NOTE

THE FOLLOWING STEPS ACTIVATE THE ABC IN NODE 2 FOR MEIT III.

POWER ON NODE2 AUDIO BUS COUPLERS (ABC 3&4)

30-012 KCTE MS1 PCS
HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM

'AUDIO ORUS'
'ABC'

1. SELECT: 3
   SELECT: RPCM_N21B4A_B_RPC_03
   'RPC POSITION'
   CMD: CLOSE
   PUI: LAPR96IM2542K
   OPS: RPCM_N21B4A_B_RPC_03_ABC_3_CL

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RPC POSITION - CL
   PUI: N2PN30FC1018J
   ENG: RPCM N2STB-1B4A-B SW03 VOLTAGE STATUS

30-013 KCTE MS1 PCS
HOME PAGE:NODE2:EPS

'RPCM N22A3A'

1. SELECT: A
   SELECT: RPC 1
   'RPC POSITION'
   CMD: CLOSE
   PUI: LAPR96IM2516K
   OPS: RPCM_N22A3A_A_RPC_01_ABC_4_CL

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RPC POSITION - CL
   PUI: N2PN25FC1016J
   ENG: RPCM N2PRT-2A3A-A SW01 VOLTAGE STATUS

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			AUDIO BUS I/O BUS ENABLE	
30-014	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'NODE2' VERIFY: NODE2 ATU1 BUS I/0 – ENA PUI: LACA01FC0071J ENG: IAC-1 ORU#6 IN/OUT OF SERVICE	
30-015	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'ATU'S' 'NODE2' 1. SELECT: 1 **CMD**: LOAD CHANNEL DETAILED STATUS PAGE PUI: LACA96IM0593K OPS: AUDIO_NODE2_ATU_7_CHANNEL_1_DETAILED STATUS REQUEST GMT _____:_____:_____ (DAY:HR:MIN) 2. **CMD**: LOAD CBIU DETAILED STATUS PAGE PUI: LACA96IM0592K OPS: AUDIO_NODE2_ATU_7_CBIU_DETAILED_STATUS REQUEST GMT _____:_____:_____ (DAY:HR:MIN) 3. SELECT: AUDIO CHANNEL DETAILED STATUS PAGE 4. SELECT: AUDIO CBIU DETAILED STATUS PAGE	
30-016	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'NODE2' VERIFY: NODE2 ATU2 BUS I/0 – ENA PUI: LACA01FC0127J ENG: IAC-1 ORU#14 IN/OUT OF SERVICE	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-017	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'ATU'S' 'NODE2' 1. SELECT: 2 **CMD**: LOAD CHANNEL DETAILED STATUS PAGE PUI: LACA96IM0595K OPS: AUDIO_NODE2_ATU_15_CHANNEL_1_DETAILED STATUS REQUEST GMT _____:_____:_____ (DAY:HR:MIN) 2. **CMD**: LOAD CBIU DETAILED STATUS PAGE PUI: LACA96IM0594K OPS:AUDIO_NODE2_ATU_15_CBIU_DETAILED_STATUS REQUEST GMT _____:_____:_____ (DAY:HR:MIN) 3. SELECT: AUDIO CHANNEL DETAILED STATUS PAGE 4. SELECT: AUDIO CBIU DETAILED STATUS PAGE	
30-018	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'LAB' VERIFY: ATU LAB1 BUS I/0 – ENA PUI: LACA01FC0029J ENG: IAC-1 ORU#0 IN/OUT OF SERVICE	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

THE DEFAULT STATE FOR ORU'S IS ENABLED.
PERFORM THE FOLLOWING STEPS FOR ANY ORU'S
THAT NEED TO BE RESTORED TO INHIBITED TO
SUPPORT TEST.

30-019 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:AUAI-1P

'IAC1'

1. CMD: AUAI1_P BUS I/O - INHIBIT
   PUI: LACA96IM0193K
   OPS: AUDIO_IAC1_AUAI1P_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: AUAI1_P BUS I/O - INH
   PUI: LACA01FC0176J
   ENG: IAC-1 ORU #21 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-020 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:AUAI-2S

'IAC1'

1. CMD: AUAI2_S BUS I/O - INHIBIT
   PUI: LACA96IM0195K
   OPS: AUDIO_IAC1_AUAI2S_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: AUAI2_S BUS I/O - INH
   PUI: LACA01FC0183J
   ENG: IAC-1 ORU #22 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-021	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU CPLA1

'IAC1'

1. CMD: ATU CPLA1 BUS I/O - INHIBIT
   PUI: LACA96IM0162K
   OPS: AUDIO_IAC1_ATU_CPLA1_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU CPLA1 BUS I/O - INH
   PUI: LACA01FC1087J
   ENG: IAC-1 ORU #2 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-022 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU EMU1

'IAC1'

1. CMD: ATU EMU1 BUS I/O - INHIBIT
   PUI: LACA96IM0156K
   OPS: AUDIO_IAC1_ATU_EMU1_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU EMU1 BUS I/O - INH
   PUI: LACA01FC0050J
   ENG: IAC-1 ORU #3 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-023	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU EMU2

'IAC1'

1. CMD: ATU EMU2 BUS I/O - INHIBIT
   PUI: LACA96IM0158K
   OPS: AUDIO_IAC1_ATU_EMU2_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU EMU2 BUS I/O - INH
   PUI: LACA01FC0057J
   ENG: IAC-1 ORU #4 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-024 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU AL1

'IAC1'

1. CMD: ATU AL1 BUS I/O - INHIBIT
   PUI: LACA96IM0160K
   OPS: AUDIO_IAC1_ATU_AL1_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU AL1 BUS I/O - INH
   PUI: LACA01FC0064J
   ENG: IAC-1 ORU #5 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-025	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU JEM1

'IAC1'

1. CMD: ATU JEM1 BUS I/O - INHIBIT
   PUI: LACA96IM0293K
   OPS: AUDIO_IAC1_ATU_JEM1_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU JEM1 BUS I/O - INH
   PUI: LACA01FC0078J
   ENG: IAC-1 ORU #7 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-026 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU JEM2

'IAC1'

1. CMD: ATU JEM2 BUS I/O - INHIBIT
   PUI: LACA96IM0167K
   OPS: AUDIO_IAC1_ATU_JEM2_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU JEM2 BUS I/O - INH
   PUI: LACA01FC0085J
   ENG: IAC-1 ORU #8 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-027	KCTE	MS1	PCS ISS_HOME:CNT_GROUP_OVERVIEW: AUDIO_SUBSYSTEM:ATU ESA1 'IAC1' 1. CMD: ATU ESA1 BUS I/O - INHIBIT PUI: LACA96IM0169K OPS: AUDIO_IAC1_ATU_COL1_AUDIO_BUS_IO_INH GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: ATU ESA1 BUS I/O - INH PUI: LACA01FC0092J ENG: IAC-1 ORU #9 IN/OUT OF SERVICE NOT PERFORMED:_____	
30-028	KCTE	MS1	PCS ISS_HOME:CNT_GROUP_OVERVIEW: AUDIO_SUBSYSTEM:ATU ESA2 'IAC1' 1. CMD: ATU ESA2 BUS I/O - INHIBIT PUI: LACA96IM0177K OPS: AUDIO_IAC1_ATU_COL2_AUDIO_BUS_IO_INH GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: ATU ESA2 BUS I/O - INH PUI: LACA01FC0120J ENG: IAC-1 ORU #13 IN/OUT OF SERVICE NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

30-029 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU CF1

'IAC1'

1. CMD: ATU CF1 BUS I/O - INHIBIT
   PUI: LACA96IM0171K
   OPS: AUDIO_IAC1_ATU_CF1_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU CF1 BUS I/O - INH
   PUI: LACA01FC0099J
   ENG: IAC-1 ORU #10 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-030 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU HAB1

'IAC1'

1. CMD: ATU HAB1 BUS I/O - INHIBIT
   PUI: LACA96IM0173K
   OPS: AUDIO_IAC1_ATU_HAB1_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU HAB1 BUS I/O - INH
   PUI: LACA01FC0106J
   ENG: IAC-1 ORU #11 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-031	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU HAB2

'IAC1'

1. CMD: ATU HAB2 BUS I/O - INHIBIT
   PUI: LACA96IM0175K
   OPS: AUDIO_IAC1_ATU_HAB2_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU HAB2 BUS I/O - INH
   PUI: LACA01FC0113J
   ENG: IAC-1 ORU #12 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-032 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:DAIU1

'IAC1'

1. CMD: DAIU1 BUS I/O - INHIBIT
   PUI: LACA96IM0189K
   OPS: AUDIO_IAC1_DAIU1_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: DAIU1 BUS I/O - INH
   PUI: LACA01FC0162J
   ENG: IAC-1 ORU #19 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-033	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:DAIU2

'IAC1'

1. CMD: DAIU2 BUS I/O - INHIBIT
   PUI: LACA96IM0191K
   OPS: AUDIO_IAC1_DAIU2_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: DAIU2 BUS I/O - INH
   PUI: LACA01FC0169J
   ENG: IAC-1 ORU #20 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-034 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:RAIU1

'IAC1'

1. CMD: RAIU1 BUS I/O - INHIBIT
   PUI: LACA96IM0199K
   OPS: AUDIO_IAC1_RAIU1_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RAIU1 BUS I/O - INH
   PUI: LACA01FC1101J
   ENG: IAC-1 ORU #24 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-035	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:RAIU2

'IAC1'

1. CMD: RAIU2 BUS I/O - INHIBIT
   PUI: LACA96IM0201K
   OPS: AUDIO_IAC1_RAIU2_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RAIU2 BUS I/O - INH
   PUI: LACA01FC1109J
   ENG: IAC-1 ORU #25 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-036 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:ATU LAB2

'IAC1'

1. CMD: ATU LAB2 BUS I/O - INHIBIT
   PUI: LACA96IM0154K
   OPS: AUDIO_IAC1_ATU_LAB2_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU LAB2 BUS I/O - INH
   PUI: LACA01FC0036J
   ENG: IAC-1 ORU #1 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

30-037 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:ATU_16

'IAC1'

1. CMD: ATU 16 BUS I/O – INHIBIT
   PUI: LACA96IM0181K
   OPS: AUDIO_IAC1_ATU_HAB3_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU 16 BUS I/O - INH
   PUI: LACA01FC0134J
   ENG: IAC-1 ORU #15 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-038 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:ATU_17

'IAC1'

1. CMD: ATU 17 BUS I/O – INHIBIT
   PUI: LACA96IM0183K
   OPS: AUDIO_IAC1_ATU_HAB4_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU 17 BUS I/O - INH
   PUI: LACA01FC0141J
   ENG: IAC-1 ORU #16 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-039	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:ATU_18

'IAC1'

1. CMD: ATU 18 BUS I/O – INHIBIT
   PUI: LACA96IM0185K
   OPS: AUDIO_IAC1_ATU_HAB5_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU 18 BUS I/O - INH
   PUI: LACA01FC0148J
   ENG: IAC-1 ORU #17 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-040 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:ATU_19

'IAC1'

1. CMD: ATU 19 BUS I/O – INHIBIT
   PUI: LACA96IM0187K
   OPS: AUDIO_IAC1_ATU_HAB6_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: ATU 19 BUS I/O - INH
   PUI: LACA01FC0155J
   ENG: IAC-1 ORU #18 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-041	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:AUAI3

'IAC1'

1. CMD: AUAI3 BUS I/O – INHIBIT
   PUI: LACA96IM0197K
   OPS: AUDIO_IAC1_AUAI3_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: AUAI3 BUS I/O - INH
   PUI: LACA01FC1094J
   ENG: IAC-1 ORU #23 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-042 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:RAIU3

'IAC1'

1. CMD: RAIU3 BUS I/O – INHIBIT
   PUI: LACA96IM0203K
   OPS: AUDIO_IAC1_RAIU3_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RAIU3 BUS I/O - INH
   PUI: LACA01FC1116J
   ENG: IAC-1 ORU #26 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-043	KCTE	MS1	PCS	

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:RAIU4

'IAC1'

1. CMD: RAIU4 BUS I/O – INHIBIT
   PUI: LACA96IM0205K
   OPS: AUDIO_IAC1_RAIU4_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RAIU4 BUS I/O - INH
   PUI: LACA01FC1123J
   ENG: IAC-1 ORU #27 IN/OUT OF SERVICE

NOT PERFORMED:_____

30-044 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:RAIU5

'IAC1'

1. CMD: RAIU5 BUS I/O – INHIBIT
   PUI: LACA96IM0207K
   OPS: AUDIO_IAC1_RAIU5_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RAIU5 BUS I/O - INH
   PUI: LACA01FC1130J
   ENG: IAC-1 ORU #28 IN/OUT OF SERVICE

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

30-045 KCTE MS1 PCS

ISS_HOME:CNT_GROUP_OVERVIEW:
AUDIO_SUBSYSTEM:SCARRED_ORU_CONTROLS:DAIU3

'IAC1'

1. CMD: DAIU3 BUS I/O – INHIBIT
   PUI: LACA96IM0209K
   OPS: AUDIO_IAC1_DAIU3_AUDIO_BUS_IO_INH

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: DAIU3 BUS I/O - INH
   PUI: LACA01FC1137J
   ENG: IAC-1 ORU #29 IN/OUT OF SERVICE

NOT PERFORMED:_____

NOTE

CAUTION & WARNING TONES MAY BE ANNUNCIATED ON ATU'S ONCE IAC IS ACTIVE

ACTIVATE IAC 1

NOTE

PERFORM THE FOLLOWING STEP IF RT STATUS IS INHIBITED.

30-046 KCTE MS1 PCS
HOME PAGE:CNT GROUP OVERVIEW:IAC1:CB CT-1 RT STATUS

'19 IAC 1'
'RT STATUS'

SELECT: ENABLE
CMD: EXECUTE
PUI: LADD96IM1018K
OPS: PRIM_CCS_ENA_RT_TMPLT

GMT _____:_____:_____ (DAY:HR:MIN)

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-047	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:IAC1:CB CT-1 RT STATUS '19 IAC 1' 'RT STATUS' 1. VERIFY: RT STATUS – ENA PUI: LADP01MDAVRBJ ENG: CCI DEVICE TABLE 16 ENABLED 'RT FDIR STATUS' 2. VERIFY: RT FDIR STATUS - INH PUI: LADP01MDAVRFJ (0) ENG: CCI DEVICE TABLE 16 FDIR INHIBIT STATUS	
30-048	KCTE	MS1	PCS ISS_HOME:CNT_GROUP_OVERVIEW:AUDIO SUBSYSTEM:AUDIO_FDIR 1. CMD: AUTHORIZATION TO INHIBIT PUI: LACA96IM0003K OPS: AUDIO_FDIR_AUTHORIZE_INHIBIT_CMD GMT _____:_____:_____ (DAY:HR:MIN) 2. CMD: AUDIO FDIR INHIBIT PUI: LACA96IM0002K OPS: AUDIO_FDIR_INHIBIT_CMD GMT _____:_____:_____ (DAY:HOUR:MINUTE) 3. VERIFY: FDIR STATE - INH PUI: LADP01MDAQIJJ ENG: FAILURE RECOVERY INDICATOR	
30-049	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:IAC1 1. **CMD**: ACTIVE PUI: LACA96IM0077K OPS: AUDIO_IAC1_ACTIVE_CMD GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: MODE – ACTIVE PUI: LACA01FC0003J (1) ENG: IAC-1 ACTIVE/BACKUP INDICATION	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-050	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'ACTIVE IAC' VERIFY: OVER TEMPERATURE – BLANK PUI: LACA02FC0688K ENG: IAC-2 TP OVER TEMPERATURE **NOTE** THE FOLLOWING STEP PUTS ALL ATUS IN PUBLIC LOOP. ATU MUST BE PLACED INTO PUBLIC LOOP WITHIN TWO MINUTES OF BEING COMMANDED ACTIVE OR IT WILL RETURN TO STANDBY	
30-051	KCTE	MS1	PCS HOME:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM:ATU LAB1 'IAC1' 1. CMD: ATU LAB1 STATE - ACTIVE PUI: LACA96IM0297K OPS: AUDIO_ATU_LAB1_ACTIVE_CMD GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: ATU LAB1 STATE - ACTIVE PUI: LACA01FC0028J ENG: IAC-1 ORU #0 ACTIVE/STANDBY	
30-052	KCTE	MS1	PCS HOME:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM:NODE2_ATU1 'IAC1' 1. CMD: NODE2 ATU1 STATE - ACTIVE PUI: LACA96IM0585K OPS: AUDIO_NODE2_ATU_1_ACTIVE_CMD GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: NODE2 ATU1 STATE - ACTIVE PUI: LACA01FC0070J ENG: IAC-1 ORU #6 ACTIVE/STANDBY	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
30-053	KCTE	MS1	PCS HOME:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM:NODE2_ATU2 'IAC1' 1. CMD: NODE2 ATU2 STATE - ACTIVE PUI: LACA96IM0587K OPS: AUDIO_NODE2_ATU_2_ACTIVE_CMD GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: NODE2 ATU2 STATE - ACTIVE PUI: LACA01FC0126J ENG: IAC-1 ORU #14 ACTIVE/STANDBY	
30-054	KCTE	MS1	PCS HOME PAGE:CNT GROUP OVERVIEW:IAC1 CALL SELECT 'PUBLIC 1' 1. SELECT: CALL SETUP 'TALK/LISTEN (TL)' CMD: ATU LAB1 TL PUI: LACA96IM0332K OPS: AUDIO_ATU_LAB1_LOOP1_CMD GMT _____:_____:_____ (DAY:HR:MIN) 'IAC CALL SELECT' 'PUBLIC 1' 2. VERIFY: LAB1 PUI: LACA01FC0202J (1) ENG: IAC-1 CONFERENCE #1 MEMBER #1 ID VERIFY: TL PUI: LACA01FC0201J (1) ENG: IAC-1 CONFERENCE #1 MEMBER #1 TALK/LISEN INDICATOR 3. SELECT: CALL SETUP 'TALK/LISTEN (TL)' CMD: N2 ATU1 PUI: LACA96IM0597K OPS:AUDIO_NODE2_ATU_1_LOOP1_TALK_LISTEN_CMD GMT _____:_____:_____ (DAY:HR:MIN)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			'IAC CALL SELECT' 'PUBLIC 1'	
			4. VERIFY: N2ATU1 PUI: LACA01FC0200J (7) ENG: IAC-1 CONFERENCE #1 MEMBER #2 ID VERIFY: TL PUI: LACA01FC0199J (1) ENG: IAC-1 CONFERENCE #1 MEMBER #2 TALK/LISTEN INDICATOR	
			5. SELECT: CALL SETUP 'TALK/LISTEN (TL)' CMD: N2 ATU2 PUI: LACA96IM0607K OPS:AUDIO_NODE2_ATU_2_LOOP1_TALK_LISTEN_CMD GMT _____:_____:_____ (DAY:HR:MIN)	
			'IAC CALL SELECT' 'PUBLIC 1'	
			6. VERIFY: N2ATU2 PUI: LACA01FC0203J (15) ENG: IAC-1 CONFERENCE #1 MEMBER #3 ID VERIFY: TL PUI: LACA01FC0204J ENG: IAC-1 CONFERENCE #1 MEMBER #3 TALK/LISTEN INDICATOR	
			7. CLOSE "PUBLIC 1 CALL SELECT"	
30-055	TIE PTC 052	PTC DKQM	OPERATION SUPPORT SETUP - AUDIO SYSTEM ACTIVATION COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN)	

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
31-000			**OPERATION SUPPORT SETUP - AUDIO SYSTEM DEACTIVATION**	
31-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			NOTE THE FOLLOWING SEQUENCE WILL BE USED TO DECONFIGURE FROM THE AUDIO CONFIGURATION FROM THE C&W SEQUENCE.	
			AUDIO BUS I/O BUS INHIBIT	
31-002	KCTE	MS1	PCS HOMEPAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'ATU'S' 'NODE2' 1. SELECT: 1 CMD: NODE2 ATU1 BUS I/O – INHIBIT PUI: LACA96IM0164K OPS:AUDIO_IAC1_NODE2_ATU1_AUDIO_BUS_IO_INH GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: NODE2 ATU1 BUS I/O – INHIBITED PUI: LACA01FC0071J ENG: IAC-1 ORU #6 IN/OUT OF SERVICE	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
31-003	KCTE	MS1	PCS HOMEPAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'ATU'S' 'NODE2' 1. SELECT: 2 CMD: NODE2 ATU2 BUS I/O – INHIBIT PUI: LACA96IM0179K OPS:AUDIO_IAC1_NODE2_ATU2_AUDIO_BUS_IO_INH GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: NODE2 ATU2 BUS I/O – INH PUI: LACA01FC0127J ENG: IAC-1 ORU #14 IN/OUT OF SERVICE	
31-004	KCTE	MS1	PCS HOMEPAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM 'AUDIO ORUS' 'ATU'S' 'LAB' 1. SELECT: 1 CMD: ATU LAB1 BUS I/O – INHIBIT PUI: LACA96IM0152K OPS: AUDIO_IAC1_ATU_LAB1_AUDIO_BUS_IO_INH GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: ATU LAB1 BUS I/O – INH PUI: LACA01FC0029J ENG: IAC-1 ORU #0 IN/OUT OF SERVICE **NOTE** THE FOLLOWING STEP DE-ACTIVATES THE ATU IN THE FLIGHT EMULATOR. **POWER OFF ATU 1 (FLIGHT EMULATOR)**	
31-005	KCTE	SSFE SET1	C&T POWER DISTRIBUTION BOX 1 POSITION ATU POWER SWITCH (S2) TO "OFF"	

T:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

POWER OFF NODE2 ATU'S 7 & 15

31-006 KCTE MS1 PCS
HOME PAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM

'AUDIO ORUS'
'ATU'S'
'NODE2'

1. SELECT: 1
   SELECT: RPCM_N21B4A_B_RPC_02
   'RPC POSITION'
   CMD: OPEN
   PUI: LAPR96IM2627K
   OPS: RPCM_N21B4A_B_RPC_02_N2_ATU_1_OP

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RPC POSITION - OP
   PUI: N2PN30FC1017J
   ENG: RPCM N2STB-1B4A-B SW02 VOLTAGE STATUS

31-007 KCTE MS1 PCS
HOMEPAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM

'AUDIO ORUS'
'ATU'S'
'NODE2'

1. SELECT: 2
   SELECT: RPCM_N22A3A_A_RPC_02
   'RPC POSITION'
   CMD: OPEN
   PUI: LAPR96IM2603K
   OPS: RPCM_N22A3A_A_RPC_02_N2_ATU_2_OP

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RPC POSITION - OP
   PUI: N2PN25FC1017J
   ENG: RPCM N2PRT-2A3A-A SW02 VOLTAGE STATUS

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE THE FOLLOWING STEPS DEACTIVATE THE ABC IN THE FLIGHT EMULATOR FOR MEIT III.	
			POWER OFF LAB AUDIO BUS COUPLERS (ABC 1&2) (FLIGHT EMULATOR)	
31-008	KCTE	SSFE SET1	C&T POWER DISTRIBUTION BOX 2 POSITION ABC-1 POWER SWITCH (S4) TO “OFF”	T:_____
31-009	KCTE	SSFE SET1	C&T POWER DISTRIBUTION BOX 2 POSITION ABC-2 POWER SWITCH (S5) TO “OFF”	T:_____
			NOTE THE FOLLOWING STEPS DEACTIVATE THE ABC IN NODE 2 FOR MEIT III.	
			POWER OFF NODE2 AUDIO BUS COUPLERS (ABC 3&4)	
31-010	KCTE	MS1	PCS HOMEPAGE:CNT GROUP OVERVIEW:AUDIO SUBSYSTEM ‘AUDIO ORUS’ ‘ABC’ 1. SELECT: 3 SELECT: RPCM_N21B4A_B_RPC_03 ‘RPC POSITION’ CMD: OPEN PUI: LAPR96IM2628K OPS: RPCM_N21B4A_B_RPC_03_ABC_3_OP GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: RPC POSITION - OP PUI: N2PN30FC1018J ENG: RPCM N2STB-1B4A-B SW03 VOLTAGE STATUS	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

THE FOLLOWING STEP WILL NOT BE PERFORMED IF ABC 4 IS ALREADY POWERED OFF.

31-011 KCTE MS1 PCS
HOMEPAGE:NODE2:EPS

'RPCM N22A3A'

1. SELECT: A
   SELECT: RPC 1
   'RPC POSITION'
   CMD: OPEN
   PUI: LAPR96IM2602K
   OPS: RPCM_N22A3A_A_RPC_01_ABC_4_OP

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RPC POSITION - OP
   PUI: N2PN25FC1016J
   ENG: RPCM N2PRT-2A3A-A SW01 VOLTAGE STATUS

NOT PERFORMED:_____

NOTE

SILENCE ALL CAUTION AND WARNING TONES PER SPECIAL INSTRUCTION BECAUSE IAC WILL NOT GO TO BACKUP IF TONES ARE BEING ANNUNCIATED.

IAC 1 TO BACKUP

31-012 KCTE MS1 PCS
HOMEPAGE:CNT GROUP OVERVIEW:IAC1:CB CT 1 RT STATUS

'19 IAC 1'
'RT STATUS'

1. SELECT: INHIBIT
   PUI: LADD96IM1019K
   OPS: PRIM_CCS_INH_RT_TMPLT
   EXECUTE

   GMT _____:_____:_____ (DAY:HR:MIN)

2. VERIFY: RT STATUS - INH
   PUI: LADP01MDAVRBJ
   ENG: CCI DEVICE TABLE 16 ENABLED

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
31-013	KCTE	MS1	PCS HOMEPAGE:CNT GROUP OVERVIEW:IAC1 1. CMD: BACKUP PUI: LACA96IM0076K OPS: AUDIO_IAC1_BACKUP_CMD GMT _____:_____:_____ (DAY:HR:MIN) 2. VERIFY: MODE – BACKUP PUI: LACA01FC0003J ENG: IAC-1 ACTIVE/BACKUP INDICATION	
31-014	KCTE	SSFE SET1	C&T POWER DISTRIBUTION BOX 2 POSITION IAC POWER SWITCH TO “OFF”	T:_____
31-015	TIE PTC 052	PTC DKQM	OPERATION SUPPORT SETUP - AUDIO SYSTEM DEACTIVATION COMPLETE GMT _____:_____:_____ (DAY:HR:MIN)	NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-000			**OPERATION SUPPORT SETUP – RMS CONSOLE ACTIVATION**	
32-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN)	NV:_____
32-002	KCTE TLM	TLM RLT	RLT POSITION OR VERIFY THE SWITCHES BELOW ON RMS CONSOLE 1. RIP FRONT PANEL: (1) MA BRAKE SWITCH IS "ON"	T:_____
			2. SFA BRAKE SWITCH IS "ON"	T:_____
32-003	KCTE TLM	TLM RLT	RLT MAINTENANCE SWITCH PANEL MSP SWITCH IS "NORMAL"	T:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-004	KCTE	TLM		
	TLM	RLT	VERIFY CONNECTIONS BELOW ON RMS CONSOLE	
			1. RHC IS CONNECTED	
			2. THC IS CONNECTED	
			3. RLT IS CONNECTED TO DEDICATED RMS UOP	
32-005	KCTE	TLM	JEM	
	TLM	RLT	CONFIRM THAT THE INTERNAL 1553B BUS MONITOR IS CONNECTED WITH THE FOLLOWING BUSES	
			(1) WORKSTATION BUS (2) CONSOLE BUS (3) ARM BUS	
32-006	KCTE	TLM	SLT	
	TLM	SLT	RECORD THE FOLLOWING INFORMATION:	
			VERIFY JEM MODE IS IN STANDARD	
			'JEM'(HOMEPAGE)	

SYSTEM/ORU: (EXPECTED JEM MODE)	**RECORD STATE**
JCP (STANDARD)	

32-007	KCTE	SSFE	RECORD THE FOLLOWING INFORMATION:	
			'JEM'(HOMEPAGE)	

SYSTEM/ORU: (EXPECTED ISS MODE)	**RECORD STATE**
C&C MDM (STANDARD ISS MODE)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-008	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:PIB B2:120V/0.5A SW14	
			'JPM EPS PIB B2 120V L SW14 CMD':	
			CMD: SWITCH CLOSE OPS: JPM_EPS_PIB_B2_120V_L_SW14_(MTL_JEMRMS_A6_SOV_B)_CL PUI: JSTE96IM0227K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
32-009	KCTE		TCMS CT-GNC	
			VERIFY: DATA ID: CA3W-PWS114 ENG: PIB_B2 120V_L SW14 POWER STATUS VALUE: ON PUI: JSDC00FCPK2DJ	
32-010	KCTE	SSFE	CES MATE	
			LOAD AND EXECUTE MATE SCRIPT MEIT3_MATE_CMDS WITH THE FOLLOWING PARAMETERS: COMMAND INDEX: 0X00AF MTL_JEM_RMS_A6_SOV_B_OPEN	
			CMD: OPS: JPM_ATCS_MTL_JEMRMS_A6_SOV_B_OP PUI : JSTE96IM0269K	
			GMT _____:_____:_____ (HR:MIN:SEC)	
32-011	KCTE		TCMS CT-GNC	
			VERIFY: DATA ID: CJGN-VP021 ENG: RMS_MTL_SHUTOFF_VALVE STACK POSTN VALUE: OPEN PUI: JSDC00SWT5I1J	
32-012	KCTE	TLM	JEM RMS INTERNAL 1553B BUS MONITOR START	
	TLM	RLT		

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE:

PERFORM THE FOLLOWING STEP ACU RT IS ENABLED

32-013 KCTE SSFE PCS
CDH:PRIMARY C&C MDM:CB-EXT-2:RT STATUS

'CB-EXT-2 RT FDIR STATUS'

1. CMD: INHIBIT RT FDIR FOR RT 16 JEM RMS
   OPS: PRIM_CCS_INH_RMS_EXT_2_FDIR_RT_16
   PUI: LADD95SM0096K
   EXECUTE

   GMT _____:_____:_____ (HR:MIN:SEC)

2. VERIFY: RT16 JEM RMS RT FDIR STATUS - INH
   ENG: CCI DEVICE TABLE 32 FDIR INHIBIT STATUS
   PUI: LADP01MDAVVFJ

NOT PERFORMED:_____

CAUTION

DO NOT POWER OFF PDU B1 RPC 13 WITHIN ONE MINUTE AFTER THE RPC IS CLOSED OR THE MSD MAY BE DAMAGED.

32-014 KCTE TLM SLT
TLM SLT JPM:EPS:MAIN:PDU B1:RPC13

'JPM EPS PDU B1 RPC13 CMD'

1. CMD: RPC CLOSE
   OPS: JPM_EPS_PDU_B1_RPC13_(PDB_B_RMS)_CL
   PUI: JSPX96IM0772K
   EXECUTE

   GMT _____:_____:_____ (HR:MIN:SEC)

'JPM EPS PDU B1'

VERIFY:

2. RPC13 - CLOSE
   ENG: SYS_PDU_B RPC13 POWER STATUS
   PUI: JSDC00FCPI0VJ

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-015	KCTE		TCMS CT-GNC VERIFY: 1. RMS HEALTH STATUS SUMMARY – NORMAL ENG: RMS HEALTH STATUS SUMMARY PUI: JSDC00SWR001J 2. DATA ID: C55W-CR013 NAME: SYS_PDU_B RPC13 OUTPUT CURRENT VALUE: < 3 [A] PUI: JSDC00FCPI1VC DKQM RECORD OUTPUT CURRENT IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F. NV:_____	
			NOTE CONFIRM MA BRAKE AND SFA BRAKES “ON” INDICATOR ILLUMINATED BEFORE PROCEEDING. IT MAY TAKE UP TO 20 MINUTES TO PERFORM THE VERIFICATIONS IN THE FOLLOWING STEP	
32-016	KCTE TLM	TLM RLT	RIP FRONT PANEL: VERIFY THE FOLLOWING LIGHTS 1. MA BRAKES INDICATOR : "ON" ILLUMINATED 2. SFA BRAKES INDICATOR : "ON" ILLUMINATED	
32-017	KCTE TLM	TLM RLT	RIP FRONT PANEL: 1. POWER LED : ILLUMINATED 2. BIT LED : NOT ILLUMINATED 3. ERROR LED : NOT ILLUMINATED	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-018	KCTE TLM	TLM RLT	MDP FRONT PANEL: VERIFY THE FOLLOWING LIGHTS 1. POWER LED : ILLUMINATED 2. LOAD FAIL LED : NOT ILLUMINATED 3. UVSL LED : NOT ILLUMINATED 4. BIT LED : NOT ILLUMINATED 5. ERROR LED : NOT ILLUMINATED	
32-019	KCTE TLM	TLM RLT	PDB FRONT PANEL: VERIFY THE FOLLOWING LIGHTS 1. POWER LED : ILLUMINATED 2. BIT LED : NOT ILLUMINATED 3. ERROR LED : NOT ILLUMINATED	

JV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-020	KCTE		TCMS CT-GNC VERIFY THE DATA FRAME FOR THE RMS MDP IS CURRENT 1. DATA ID: CJ5N-S047 ENG: RMS1 DF STATUS VALUE: CURRENT PUI: JSDC00SWR020J 2. DATA ID: CJ5N-S078 ENG: RMS2 DF STATUS VALUE: CURRENT PUI: JSDC00SWR021J	
32-021	KCTE TLM	TLM SLT	SLT JPM:CDH:SLBUS2:MDP:JCP/MDP COMM STATUS 'JEMRMS COMM ERR CW' CMD: EVENT DETECTION - ENABLE OPS: JPM_CDH_ACTIVE_JCP_EVENT_DET_ENA_TMPLT PUI: JSDD96IM0227K PARMAETER: 94 (RMS COMMUNICATION ERROR) EXECUTE GMT _____:_____:_____ (HR:MIN:SEC)	
32-022	KCTE		TCMS CT-GNC VERIFY: DATA ID: CJ9N-EIF085 ENG: EVENT INHIBIT FLAG (RMS COMMUNICATION ERROR) VALUE: ENABLE PUI: JSDC00SWZ328J	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-023	KCDH	SSFE	PCS CDH:PRIMARY C&C MDM:CB-EXT-2:RT STATUS 'CB-EXT-2 RT STATUS' 1. CMD: ENABLE RT STATUS FOR RT 16 JEM RMS OPS: PRIM_CCS_ENA_RT_TMPLT PUI: LADD96IM1018K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) 2. VERIFY: RT 16 JEM RMS RT STATUS - ENA ENG: CCI DEVICE TABLE 32 ENABLED PUI: LADP01MDAVVBJ	
32-024	KCDH	SSFE	PCS CDH:PRIMARY C&C MDM:CB-EXT-2:RT STATUS 'CB-EXT-2 RT FDIR STATUS' 1. CMD: ENABLE RT FDIR FOR RT 16 JEM RMS OPS: PRIM_CCS_ENA_RT_FDIR_TMPLT PUI: LADD96IM0769K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) 2. VERIFY RT16 JEM RMS RT FDIR STATUS - ENA ENG: CCI DEVICE TABLE 32 FDIR INHIBIT STATUS PUI: LADP01MDAVVFJ	
32-025	KCTE TLM	TLM RLT	RLT RMS UOP: 1. VERIFY ONLY "RESET" LIGHT IS ILLUMINATED (WHITE) 2. PRESS AND RELEASE "POWER OUT" BUTTON T:_____ 3. VERIFY "FAULT/TEST" LIGHT IS ILLUMINATED (GREEN) 4. VERIFY "ENABLE" LIGHT IS ILLUMINATED (GREEN)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-026	KCTE TLM	TLM RLT	RLT VERIFY THE FOLLOWING LIGHTS AT RMS CONSOLE RIP FRONT PANEL: (1) MA BRAKES INDICATOR : "ON" ILLUMINATED (2) SFA BRAKES INDICATOR : "ON" ILLUMINATED	
32-027	KCTE TLM	TLM RLT	RLT POWER ON RLT AND LOGON T:_____	
			NOTE IT MAY TAKE UP TO 15 MINUTES TO PERFORM THE VERIFICATIONS IN THE FOLLOWING STEP	
32-028	KCTE		TCMS CT-GNC VERIFY: 1. DATA ID: CABF-AFRMS ENG: RMS_RACK_AVIO_FAN REV - 25200 - 32200 [RPM] PUI: JSDC00FCE0B0R 2. DKQM RECORD THE AAA_FAN SPEED IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-029	KCTE		TCMS CT-GNC VERIFY THE DATA FOR THE RMS RACK SD OBSCURATION 1. DATA ID: CABF-OBS031 ENG: RMS_RACK_SD OBSCURATION VALUE VALUE: 3.0 - 4.2 [VDIFF] PUI: JSDC00FCE7F6V 2. DATA ID: CABF-SCA031 ENG: RMS_RACK_SD SCATTER VALUE VALUE: -0.2 - 0.2 [VDIFF] PUI: JSDC00FCE7F7V 3. DKQM RECORD SD OBSCURATION AND SCATTER VALUES IN 'RMS ACTIVATION/DEACTIVATION LOG' APPENDIX F.	
32-030	KCTE	SSFE	CES MATE LOAD AND EXECUTE MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0075 ENG: APPLY_BIT_INPUT_ENABLE RMS_RACK_SD OPS: JPM_ECL_FDS_JEMRMS_A6_SD_B_BIT_LED_ON PUI: JSEF96IM0151K GMT _____:_____:_____(DAY:HR:MIN)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-031	KCTE		TCMS CT-GNC VERIFY THE DATA FOR THE RMS RACK SD OBSCURATION DATA ID: CABF-OBS031 ENG: RMS_RACK_SD OBSCURATION VALUE VALUE: -4.5 - -3.8 [VDIFF] PUI: JSDC00FCE7F6V DATA ID: CABF-SCA031 ENG: RMS_RACK_SD SCATTER VALUE VALUE: 1.8 - 4.2 [VDIFF] PUI: JSDC00FCE7F7V DKQM RECORD SD OBSCURATION AND SCATTER VALUES IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	
32-032	KCTE	SSFE	CES MATE LOAD AND EXECUTE MATE SCRIPT MEIT3_MATE_CMDS WITH THE FOLLOWING PARAMETERS: COMMAND INDEX: 0X0076 CMD: ENG: REMOVE_BIT_INPUT_ENABLE RMS_RACK_SD OPS: JPM_ECL_FDS_JEMRMS_A6_SD_B_BIT_LED_OFF PUI: JSEF96IM0167K GMT _____:_____:_____ (HR:MIN:SEC) **NOTE** IT MAY TAKE UP TO 15 MINUTES TO PERFORM THE VERIFICATIONS IN THE FOLLOWING STEP	
32-033	KCTE TLM	TLM RLT	RLT “JEMRMS(HOMEPAGE)” VERIFY GMT IS UPDATING ON THE RLT GMT _____:_____:_____(DAY:HR:MIN)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-034	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):POWER:PDB STATUS “PDB POWER STATUS”	
			VERIFY:	
			1. DATA : [PDB]: PDB INT1 OUT VOLT RMS RLT TLM ID: T210005 (Z122_1) VALUE: 111 - 126 [V]	
			2. DATA : [PDB]: PDB INT2 OUT VOLT RMS RLT TLM ID: T210006 (Z122_2) VALUE: 111 - 126 [V]	
			3. DATA : [PDB]: PDB IN VOLT RMS RLT TLM ID: T210004 (Z116) VALUE: 111 - 126 [V]	
			4. DKQM RECORD THE ABOVE VALUES IN THE‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	
32-035	TLM	RLT	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):POWER:PDB STATUS “PDB POWER STATUS”	
			INITIATE COMMAND	
			CMD: PDB INT3,4 PWR-ON RMS RLT CMD ID: C110011 (X11) EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
32-036	KCTE	TLM	RLT	
	TLM	RLT	ACU FRONT PANEL:	
			VERIFY: (1) POWER LED: ILLUMINATED	
			(2) BIT LED: NOT ILLUMINATED	
			(3) ERROR: NOT ILLUMINATED	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-037	TLM	RLT	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):POWER:PDB STATUS “PDB POWER STATUS”	
			VERIFY:	
			1. DATA: [PDB]: PDB INT3 OUT VOLT RMS RLT TLM ID: T210007 (Z122_3) VALUE: 111 - 126 [V]	
			2. DATA: [PDB]: PDB INT4 OUT VOLT RMS RLT TLM ID: T210008 (Z122_4) VALUE: 24 - 34 [V]	
			3. DKQM RECORD THE ABOVE VALUES IN THE ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	
32-038	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):COMM “MDP COMM STATUS”	
			CMD:ACU RT-ENABLE RMS RLT CMD ID: C510001 (X51) EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			NOTE MUST WAIT 3 MINUTES TO VERIFY ACU ENABLE	
32-039	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):COMM “MDP COMM STATUS”	
			VERIFY:	
			DATA: ACU RT FLAG RMS RLT TLM ID:T510001 (Z155) VALUE: ENABLE	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE PERFORM THE FOLLOWING 2 STEPS IF POWER QUALITY AND EME MEASUREMENTS ARE NEEDED.	
32-040	KCTE	PTC	OK TO PROCEED WITH JEM B STRING ACTIVATION (JCP-B PRIMARY) SEQUENCE 102.	
32-041	PTC	KTCE	OK TO PROCEED WITH THIS SEQUENCE.	
				NOT PERFORMED:_____ (PREV. 2 STEPS)
32-042	KCTE	TLM		
	TLM	RLT	RMS CONSOLE 1. POWER ON TVM1	
				T:_____
			2. VERIFY: 'MDU IS AUTONOMOUS' IS DISPLAYED DKQM RECORD ACTIVATION TIME IN 'RMS ACTIVATION/DEACTIVATION LOG' APPENDIX F.	
32-043	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):COMM "MDP COMM STATUS" 1. CMD: RMS MON1 RT-ENABLE RMS RLT CMD ID: C510012 (X51) EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) 2. VERIFY: DATA: [RMS MON1]: RMS MON1 BIT RMS RLT TLM ID: TJ00002 (Z753) VALUE: NORMAL	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-044	KCTE		TCMS CT-GNC VERIFY: 1. DATA ID: C55W-CR013 ENG: SYS_PDU_B RPC13 OUTPUT CURRENT VALUE: < 5 [A] PUI: JSDC00FCPI1VC 2. DKQM RECORD CURRENT VALUE IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	
32-045	KCTE TLM	TLM RLT	RMS CONSOLE 1. POWER ON TVM2 T:_____ 2. VERIFY: ‘MDU IS AUTONOMOUS’ IS DISPLAYED 3. DKQM RECORD ACTIVATION TIME IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	
32-046	KCTE TLM	TLM RLT	RLT JEMRMS(HOMEPAGE):COMM “MDP COMM STATUS” 1. CMD: RMS MON2 RT-ENABLE RMS RLT CMD ID: C510014 (X236) EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) 2. VERIFY: DATA: [RMS MON2]: RMS MON2 BIT RMS RLT TLM ID: TJ00050 (Z705) VALUE: NORMAL	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
32-047	KCTE		TCMS CT-GNC VERIFY: 1. DATA ID: C55W-CR013 ENG: SYS_PDU_B RPC13 OUTPUT CURRENT VALUE: < 5 [A] PUI: JSDC00FCPI1VC 2. DKQM RECORD CURRENT VALUE IN 'RMS ACTIVATION/DEACTIVATION LOG' APPENDIX F.	
32-048	KCTE TLM	TLM RLT	CCP FRONT PANEL 1. TURN ON THE POWER SWITCH ON CCP FRONT PANEL T:_____ 2. VERIFY: 'PANEL POWER' INDICATOR IS ILLUMINATED. DKQM RECORD ACTIVATION TIME IN 'RMS ACTIVATION/DEACTIVATION LOG' APPENDIX F.	
32-049	KCTE PTC 052	PTC DKQM	OPERATION SUPPORT SETUP – RMS CONSOLE ACTIVATION COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
33-000			**OPERATION SUPPORT SETUP – RMS CONSOLE DEACTIVATION**	
33-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN)	NV:_____
33-002	KCTE TLM	TLM RLT	CCP FRONT PANEL 1. TURN OFF THE POWER SWITCH ON CCP FRONT PANEL	T:_____
			2. VERIFY: ‘PANEL POWER’ INDICATOR IS NOT ILLUMINATED. DKQM RECORD DEACTIVATION TIME IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	NV:_____
33-003	KCTE TLM	TLM RLT	RLT JEMRMS(HOMEPAGE):COMM “MDP COMM STATUS” CMD: RMS MON2 RT-DISABLE RMS RLT CMD ID: C510015 (X236) EXECUTE GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
33-004	KCTE TLM	TLM RLT	POWER OFF TVM2 T:_____ DKQM RECORD DEACTIVATION TIME IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	
33-005	KCTE TLM	TLM RLT	RLT JEMRMS(HOMEPAGE):COMM “MDP COMM STATUS” CMD: RMS MON1 RT-DISABLE RMS RLT CMD ID: C510013 (X51) GMT _____:_____:_____ (HR:MIN:SEC)	
33-006	KCTE TLM	TLM RLT	POWER OFF TVM1 T:_____ DKQM RECORD DEACTIVATION TIME IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	
			NOTE: PERFORMED THE FOLLOWING STEP IF ACU RT IS ENABLED	
33-007	KCTE TLM	TLM RLT	RLT JEMRMS(HOMEPAGE):COMM “MDP COMM STATUS” CMD: ACU RT-DISABLE RMS RLT CMD ID: C510002 (X53) EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
33-008	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):COMM “MDP COMM STATUS”	
			VERIFY:	
			DATA: ACU RT FLAG RMS RLT TLM ID:T510001 (Z155) VALUE: DISABLE	
33-009	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):POWER:PDB STATUS “PDB POWER STATUS”	
			1. CMD:PDB INT3,4 PWR-OFF RMS RLT CMD ID: C110012 (X11) EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			2. VERIFY DATA :[PDB]: PDB INT3 OUT VOLT RMS RLT TLM ID: T210007 (Z122_3) VALUE: 0 [V]	
			3. VERIFY DATA :[PDB]: PDB INT4 OUT VOLT RMS RLT TLM ID: T210008 (Z122_4) VALUE: 0 [V]	
			DKQM RECORD ABOVE OUTPUT VOLTAGES IN ‘RMS ACTIVATION/DEACTIVATION LOG’ APPENDIX F.	
33-010	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):POWER::RLT STATUS: “RLT SHUTDOWN”	
			1. CMD:RLT RT-DISABLE RMS RLT CMD ID: C510009 (X209) EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			2. VERIFY: THE COLOR OF THE OK DATA IN RLT_SHUTDOWN WINDOW IS BLUE	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
33-011	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):POWER::RLT STATUS: "RLT SHUTDOWN"	
			1. SELECT 'RLT SW-SHUTDOWN' BUTTON IN THE RLT_SHUTDOWN WINDOW	
			2. SELECT 'CONFIRM' TO SHUTDOWN RLT	
			GMT _____:_____:_____(DAY:HR:MIN)	
33-012	KCTE	TLM	RLT	
	TLM	RLT		
			VERIFY THAT THE MESSAGE "TYPE ANY KEY TO CONTINUE" IS ON THE RLT DISPLAY	
33-013	KCTE	TLM	RLT	
	TLM	RLT		
			POWER OFF RLT	
				T:_____
33-014	KCTE	TLM		
	TLM	RLT		
			RMS UOP:	
			1. PRESS AND RELEASE "POWER OUT" BUTTON	
				T:_____
			2. VERIFY "RESET" LIGHT IS ILLUMINATED	
33-015	KCTE	TLM	SLT	
	TLM	SLT	JPM:CDH:SLBUS2:MDP:JCP/MDP COMM STATUS	
			'JEMRMS COMM ERR CW'	
			CMD: EVENT DETECTION - INHIBIT OPS: JPM_CDH_ACTIVE_JCP_EVENT_DET_INH_TMPLT PUI: JSDC00SWZ302L PARAMETER: 94 (RMS COMMUNICATION ERROR) EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
33-016	KCTE		TCMS CT-GNC VERIFY: DATA ID: CJ9N-EIF085 NAME: EVENT INHIBIT FLAG (RMS COMMUNICATION ERROR) VALUE - INHIBIT (0) PUI: JSDC00SWZ328J	
33-017	KCTE	SSFE	PCS CDH:PRIMARY C&C MDM:CB-EXT-2:RT STATUS 'CB-EXT-2 RT FDIR STATUS' 1. CMD: INHIBIT RT FDIR FOR RT 16 JEM RMS OPS: PRIM_CCS_INH_RMS_EXT_2_FDIR_RT_16 PUI: LADD95SM0096K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) 2. VERIFY: RT16 JEM RMS RT FDIR STATUS - INH ENG: CCI DEVICE TABLE 32 FDIR INHIBIT STATUS PUI: LADP01MDAVVFJ	
33-018	KCDH	SSFE	PCS CDH:PRIMARY C&C MDM:CB-EXT-2:RT STATUS 'CB-EXT-2 RT STATUS' 1. CMD: INHIBIT RT STATUS FOR RT 16 JEM RMS OPS: PRIM_CCS_INH_RMS_CB_EXT_2_RT_16 PUI: LADD95SM0095K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) 2. VERIFY: RT 16 JEM RMS RT STATUS - INH ENG: CCI DEVICE TABLE 32 ENABLED PUI: LADP01MDAVVBJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
33-019	KCTE TLM	SLT SLT	SLT JPM:CDH:SLBUS2:MDP:JEMRMS SHUTDOWN 'JPM CDH JEMRMS SHUTDOWN CMD' CMD: SHUTDOWM OPS: JPM_EVR_JEMRMS_CONSOLE_SHUTDN PUI: JSDD96IM0200K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) **NOTE** WAIT 90 SECONDS BEFORE PROCEEDING WITH SHUTDOWN. **NOTE** PDU_B1 RPC13 IS AUTOMATICALLY OPENED AFTER RMS SHUTDOWN.	
33-020	KCTE		TCMS CT-GNC VERIFY DATA ID: C55W-PWS013 ENG: SYS_PDU_B RPC13 POWER STATUS VALUE: OP PUI: JSDC00FCPI0VJ	
33-021	KCTE PTC 052	PTC DKQM	OPERATION SUPPORT SETUP – RMS CONSOLE DEACTIVATION COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN)	

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

34-000 **OPERATION SUPPORT SETUP - JEM PDH ACTIVATION**

NOTE

THE FOLLOWING SEQUENCE WILL SUPPORT MULTIPLE MEIT III REQUIREMENTS.

34-001 PTC DKQM RECORD THE FOLLOWING INFORMATION:

SEQ/STEP THAT CALLED THIS SETUP _____

RECORD OPTIONS:_____

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

NOTE

DUE TO THE UNIQUE JEM CONFIGURATION ONLY 1 OPTION (ONE PDH ACTIVE) IS VALID AT ANY PARTIULAR TIME IN TEST.

OPTION A PDH A ACTIVATION

NOTE

REFER TO PDH ERROR EMON FILE IN APPENDIX 1 R0031V1 FOR REFERENCE.

NOTE

PERFORM THE FOLLOWING STEP IF PDH EMON FILE IS NOT ACTIVE ON TCMS

34-002 KCDH TCMS
LOAD PDH EXCEPTION EMON FILE
RECORD FILE NAME:_____

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			PDH-A ACTIVATION	
			NOTE THE FOLLOWING STEP VERIFIES THAT PDH B IS NOT POWERED PRIOR TO ACTIVATION OF PDH A.	
34-003	KEPS		TCMS (PDH) 'PDH RPC POSN' 'PDH B' VERIFY: DMS2 RPC 3 - OP ENG: PDB_DMS2 RPC3 POWER STATUS PUI: JSDC00FCP60EJ	
			NOTE PDH MODE STATUS WILL CHANGE TO CHECKOUT APPOXIMATELY 1 MINUTE FOLLOWING RPC CLOSURE	
34-004	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0087 CMD: JPM_EPS_PDB_A_DMS1_RPC03_(PDH_A)_CL PUI: JSPX96IM0520K GMT _____:_____:_____ (HR:MIN:SEC)	
34-005	KEPS		TCMS (PDH) "PDH RPC POSN 'PDH A' VERIFY: DMS1 RPC 3 – CL ENG:PDB_DMS1 RPC3 POWER STATUS PUI: JSDC00FCP50EJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

PDH MODE WILL TAKE A MINIMUM OF 1 MINUTE TO TRANSITION TO “CHECKOUT”.

34-006 KCDH TCMS (PDH)

VERIFY:
‘PDH STATUS’

1. PDH MODE - CHECKOUT
   ENG: PDH MODE STATUS
   PUI: JSDC00SWDO1UJ

2. BIT STATUS – VALID
   ENG: PDH POWER_ON_BIT STATUS
   PUI: JSDC00SWDO1TJ

3. BIT RESULT – NORMAL
   ENG: PDH POWER_ON BIT RESULT
   PUI: JSDC00SWDO1SJ

4. DETAILED BIT STATUS - INVALID
   ENG: PDH BIT DETAILED STATUS
   PUI: JSDC00SWDO1ZJ

‘PDH SOFTWARE’

5. LOAD RESULT – NORMAL
   ENG: PDH S/W LOAD RESULT
   PUI: JSDC00SWDO1YJ

6. LOAD STATUS - INVALID
   ENG: PDH S/W LOAD STATUS
   PUI: JSDC00SWDO1XJ

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-007	KCDH		TCMS (PDH) 'PDH ERROR STAT' VERIFY: 1. CCU/SRAM 1 BIT –NORMAL ENG: PDH ERROR STATUS(CCU,SRAM_1BIT_ERROR) PUI:JSDC00SWDO2CJ 2. BCU/SRAM 1 BIT – NORMAL ENG: PDH ERROR STATUS(BCU,SRAM_1BIT_ERROR) PUI:JSDC00SWDO2DJ 3. CCU/CDPM PARITY – NORMAL ENG: PDH ERROR STATUS(CCU,CDPM_PARITY_ERROR) PUI:JSDC00SWDO2EJ 4. BCU/CDPM PARITY - NORMAL ENG: PDH ERROR STATUS(BCU,CDPM_PARITY_ERROR) PUI:JSDC00SWDO2FJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

PDH FLIGHT SOFWARE DOWNLOAD

NOTE

PDH SOFTWARE DOWNLOAD FROM THE JCP WILL TAKE APPOXIMATELY 5 MINUTES.

GMT _____:_____:_____(DAY:HR:MIN)

34-008 KCDH SSFE CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X0005
CMD: THE JEM SET FILE NAME COMMAND JCP_ACTIVE
PUI: JSDC00SWZ9Y2L
(APID 33, FROM MCC-H TO JCP_ACTIVE)
PARAMETER 1(CHANNEL KEY):0
PARAMETER 2 (TRANSFER TYPE):INDIRECT LOAD
PARAMETER 3 (SOURCE\DESTINATION): SOURCE
PARAMETER 4 (STORAGE TYPE): DISK (2#01#)
PARAMETER 5 (FILE LENGTH): 885248 (BYTES)
PARAMETER 6 (BLOCK SIZE): 256
PARAMETER 7 (GROUP SIZE): 1600
PARAMETER 8 (GROUP NUMBER): 1
PARAMETER 9 (FILE NAME LENGTH): 14
PARAMETER 10 (FILE NAME): /PDHS/PFAS_DEF
PARAMETER 11 (INDIRECT CP_PDU_VER): 0
PARAMETER 12 (INDIRECT CP_PDU TYPE): 0 (CORE PACKET)
PARAMETER 13: (INDIRECT CP_PDU_APID): 801
PARAMETER 14: (INDIRECT APID EXT):160

GMT _____:_____:_____ (HR:MIN:SEC)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-009	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0000 CMD: JEM SET FILE NAME CMD PDH PUI:JSDC00SWDSY2L (APID 29, FROM MCC-H TO JEM_PDH) PARAMETER 1 (CHANNEL KEY) :0 PARAMETER 2 (TRANSFER TYPE): INDIRECT LOAD PARAMETER 3 (SOURCE\DESTINATION):DESTINATION PARAMETER 4 (STORAGE TYPE) : DRAM (2#10#) PARAMETER 5 (FILE LENGTH): 885248 (BYTES) PARAMETER 6 (BLOCK SIZE) : 256 PARAMETER 7 (GROUP SIZE):1600 PARAMETER 8 (GROUP NUMBER): 1 PARAMETER 9 (ADDRESS LENGETH): 4 PARAMETER 10 (ADDRESS): 0000 0000 PARAMETER 11 (INDIRECT CP_PDU VER): 0 PARAMETER 12 (INDIRECT CP_PDU TYPE): 0 (CORE PACKET) PARAMETER 13 (INDIRECT CP_PDU_APID): 801 PARAMETER 14 (INDIRECT APID EXT): 160 GMT _____:_____:_____ (HR:MIN:SEC) **NOTE** VERIFY THE FOLLOWING TELEMETRY APPROXIMATELY 5 MINUTES AFTER BEGINNING OF SOFTWARE LOAD.	
34-010	KCDH		TCMS (ACT_JCP_INFO) ‘DISK STATUS’ VERIFY: FILE TRANSFER STATUS – COMPLETED ENG: ACTIVE_JCP_TRANSFER STATUS PUI: JSDC00SWZ890J	
34-011	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0007 CMD: JEM TERMINATE TRANSFER COMMAND (APID 33, FROM MCC-H TO JCP_ACTIVE) PUI: JSDC00SWZ9Y3L PARAMETER 1 (CHANNEL KEY): 0 GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-012	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0002 CMD: JEM TERMINATE FILE TRANSFER COMMAND PDH (APID 29, FROM MCC-H TO JEM_PDH) PUI: JSDC00SWDSY3L PARAMETER 1 (CHANNEL KEY): 0 GMT _____:_____:_____ (HR:MIN:SEC)	
34-013	KCDH		TCMS (PDH) 'PDH STATUS' VERIFY: 1. PDH MODE - NORMAL ENG: PDH MODE STATUS PUI: JSDC00SWDO1UJ 2. BIT STATUS – VALID ENG: PDH POWER_ON_BIT STATUS PUI: JSDC00SWDO1TJ 3. BIT RESULT – NORMAL ENG: PDH POWER_ON BIT RESULT PUI: JSDC00SWDO1SJ 4. DETAILED BIT STATUS - INVALID ENG: PDH BIT DETAILED STATUS PUI:JSDC00SWDO1ZJ 'PDH SOFTWARE' 5. LOAD RESULT – NORMAL ENG: PDH S/W LOAD RESULT PUI:JSDC00SWDO1YJ 6. LOAD STATUS – VALID ENG: PDH S/W LOAD STATUS PUI:JSDC00SWDO1XJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-014	KCDH		TCMS (PDH) 'PDH ERROR STAT' VERIFY: 1. CCU/SRAM 1 BIT –NORMAL ENG: PDH ERROR STATUS(CCU,SRAM_1BIT_ERROR) PUI: JSDC00SWDO2CJ 2. BCU/SRAM 1 BIT – NORMAL ENG: PDH ERROR STATUS(BCU,SRAM_1BIT_ERROR) PUI: JSDC00SWDO2DJ 3. CCU/CDPM PARITY – NORMAL ENG: PDH ERROR STATUS(CCU,CDPM_PARITY_ERROR) PUI: JSDC00SWDO2EJ 4. BCU/CDPM PARITY - NORMAL ENG: PDH ERROR STATUS(BCU,CDPM_PARITY_ERROR) PUI: JSDC00SWDO2FJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

THE CCT DOWNLOAD TO ACTIVE PDH

NOTE

THE FOLLOWING PROCEDURE WILL LOAD THE CCT (COMMUNICATION CONFIGURATION TABLE) TO THE ACTIVE PDH.

34-015 KCDH SSFE CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X0006
CMD: JEM SET FILE NAME COMMAND JCP_ACTIVE
PUI: JSDC00SWZ9Y2L
(APID 33, FROM MCC-H TO JCP_ACTIVE)
PARAMETER1 (CHANNEL KEY): 0
PARAMETER2 (TRANSFER TYPE): INDIRECT LOAD
PARAMETER3 (SOURCE/DESTINATION): SOURCE
PARAMETER4 (STORAGE TYPE): DISK (2#01#)
PARAMETER5 (FILE LENGTH) :(102400 BYTES)
PARAMETER6 (BLOCK SIZE): 256
PARAMETER7 (GROUP SIZE): 1600
PARAMETER8 (GROUP NUMBER): 1
PARAMETER9 (FILE NAME LENGTH): 17
PARAMETER10 (FILE NAME): /PDHS/TBLIMAX.DAT
PARAMETER11 (INDIRECT CP_PDU VER): 0
PARAMETER12 (INDIRECT CP_PDU TYPE): 0
PARAMETER13 (INDIRECT CP_PDU APID): 801
PARAMETER14 (INDIRECT APID EXT): 160

GMT _____:_____:_____ (HR:MIN:SEC)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-016	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0001 CMD: JEM SET FILE NAME CMD PDH PUI: JSDC00SWDSY2L (APID 29, FROM MCC-H TO JEM_PDH) PARAMETER1 (CHANNEL KEY): 0 PARAMETER2 (TRANSFER TYPE): INDIRECT LOAD PARAMETER3 (SOURCE/DESTINATION): DESTINATION PARAMETER4 (STORAGE TYPE): DRAM (2#10#) (DEC 2) PARAMETER5 (FILE LENGTH) : 102400 BYTES PARAMETER6 (BLOCK SIZE) : 256 PARAMETER7 (GROUP SIZE) : 1600 PARAMETER8 (GROUP NUMBER): 1 PARAMETER9 (ADDRESS LENGTH) : 4 PARAMETER10 (ADDRESS) : 1410:0000 HEX PARAMETER11 (INDIRECT CP_PDU VER) : 0 PARAMETER12 (INDIRECT CP_PDU TYPE): 0 PARAMETER13 (INDIRECTP CP_PDU APID): 801 PARAMETER14 (INDIRECT APID EXT) : 160 GMT _____:_____:_____ (HR:MIN:SEC) **NOTE** WAIT 5 MINUTES BEFORE PROCEEDING TO THE NEXT STEP.	
34-017	KCDH		TCMS (ACT_JCP_INFO) ‘DISK STATUS’ VERIFY: FILE TRANSFER STATUS - COMPLETED ENG: ACTIVE_JCP TRANSFER STATUS PUI: JSDC00SWZ890J	
34-018	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0007 CMD: JEM TERMINATE TRANSFER COMMAND JCP_ACTIVE PUI: JSDC00SWZ9Y3L (APID 33, FROM MCC-H TO JCP_ACTIVE) PARAMETER1 (CHANNEL KEY):0 GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-019	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0002 CMD: JEM TERMINATE TRANSFER COMMAND PDH PUI: JSDC00SWDSY3L (APID 29, FROM MCC-H TO JEM_PDH) PARAMETER1 (CHANNEL KEY):0 GMT _____:_____:_____ (HR:MIN:SEC) **NOTE** THE FOLLOWING STEP WILL ENABLE COM TO ALL RT UNDER THE ACTIVE PDH DEFINED IN THE CCT TABLE.	
34-020	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0048 CMD: JPM_CDH_PDH_CCT_SEL_TMPLT PUI: JSDD96IM0162K PARAMETER1 (PDH LOCAL COMMAND ID):16#E080# PARAMETER2 (PDH COMMUNICATION CONFIGURATION PARAMETER): COMMUNICATION CONIFUGRATION TABLE 1 (16#0100#) GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

OPTION B PDH –B ACTIVATION

NOTE

DUE TO THE UNIQUE JEM CONFIGURATION ONLY 1 OPTION (ONE PDH ACTIVE) IS VALID AT ANY PARTIULAR TIME IN TEST.

NOTE

REFER TO PDH ERROR EMON FILE IN APPENDIX 1 R0031V1 FOR REFERENCE.

NOTE

PERFORM THE FOLLOWING STEP IF PDH EMON FILE IS NOT LOADED ON TCMS.

34-021 KCDH

TCMS
LOAD PDH EXCEPTION EMON FILE
RECORD FILE NAME:_____

NOT PERFORMED:_____

PDH-B ACTIVATION

NOTE

THE FOLLOWING STEP VERIFIES THAT PDH A IS NOT POWERED PRIOR TO ACTIVATION OF PDH B.

34-022 KEPS

TCMS (PDH)
“PDH RPC POSN”
‘PDH A’

VERIFY
DMS 1 RPC 3 – OP
ENG: PDB_DMS1 RPC3 POWER STATUS
PUI: JSDC00FCP50EJ

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE PDH MODE STATUS WILL CHANGE TO CHECKOUT APPOXIMATELY 1 MINUTE FOLLOWING RPC CLOSURE	
34-023	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X008B CMD: JPM_EPS_PDB_B_DMS2_RPC03_(PDH_B)_CL PUI: JSPX96IM0529K GMT _____:_____:_____ (HR:MIN:SEC)	
34-024	KEPS		TCMS (PDH) “PDH RPC POSN” ‘PDH B’ VERIFY: PDB DMS 2 RPC 3: - CL ENG:PDB_DMS2 RPC3 POWER STATUS PUI: JSDC00FCP60EJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

PDH MODE WILL TAKE A MINIMUM OF 1 MINUTE TO TRANSITION TO “CHECKOUT”.

34-025 KCDH

TCMS (PDH)
‘PDH STATUS’

VERIFY:

1. PDH MODE - CHECKOUT
   ENG: PDH MODE STATUS
   PUI: JSDC00SWDO1UJ

2. BIT STATUS – VALID
   ENG: PDH POWER_ON_BIT STATUS
   PUI: JSDC00SWDO1TJ

3. BIT RESULT – NORMAL
   ENG: PDH POWER_ON BIT RESULT
   PUI: JSDC00SWDO1SJ

4. DETAILED BIT STATUS - INVALID
   ENG: PDH BIT DETAILED STATUS
   PUI:JSDC00SWDO1ZJ

‘PDH SOFTWARE’

5. LOAD RESULT – NORMAL
   ENG: PDH S/W LOAD RESULT
   PUI:JSDC00SWDO1YJ

6. LOAD STATUS - INVALID
   ENG: PDH S/W LOAD STATUS
   PUI:JSDC00SWDO1XJ

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-026	KCDH		TCMS (PDH) 'PDH ERROR STAT' VERIFY: 1. CCU/SRAM 1 BIT –NORMAL ENG: PDH ERROR STATUS(CCU,SRAM_1BIT_ERROR) PUI: JSDC00SWDO2CJ 2. BCU/SRAM 1 BIT – NORMAL ENG: PDH ERROR STATUS(BCU,SRAM_1BIT_ERROR) PUI: JSDC00SWDO2DJ 3. CCU/CDPM PARITY – NORMAL ENG: PDH ERROR STATUS(CCU,CDPM_PARITY_ERROR) PUI: JSDC00SWDO2EJ 4. BCU/CDPM PARITY - NORMAL ENG: PDH ERROR STATUS(BCU,CDPM_PARITY_ERROR) PUI: JSDC00SWDO2FJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

PDH FLIGHT SOFWARE DOWNLOAD

NOTE

PDH SOFTWARE DOWNLOAD FROM THE JCP WILL TAKE APPOXIMATELY 5 MINUTES.

34-027 KCDH SSFE CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X0005
CMD: THE JEM SET FILE NAME COMMAND JCP_ACTIVE
PUI: JSDC00SWZ9Y2L(NO “K” PUI IN DEC _STD OUT)
(APID 33, FROM MCC-H TO ACTIVE JCP)
PARAMETER 1(CHANNEL KEY):0
PARAMETER 2 (TRANSFER TYPE):INDIRECT LOAD
PARAMETER 3 (SOURCE\DESTINATION): SOURCE
PARAMETER 4 (STORAGE TYPE): DISK (2#01#)
PARAMETER 5 (FILE LENGTH): 885248 (BYTES)
PARAMETER 6 (BLOCK SIZE): 256
PARAMETER 7 (GROUP SIZE): 1600
PARAMETER 8 (GROUP NUMBER): 1
PARAMETER 9 (FILE NAME LENGTH): 14
PARAMETER 10 (FILE NAME): /PDHS/PFAS_DEF
PARAMETER 11 (INDIRECT CP_PDU_VER): 0
PARAMETER 12 (INDIRECT CP_PDU TYPE): 0 (CORE PACKET)
PARAMETER 13: (INDIRECT CP_PDU_APID): 801
PARAMETER 14: (INDIRECT APID EXT): 160

GMT _____:_____:_____ (HR:MIN:SEC)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-028	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0000 CMD: JEM SET FILE NAME CMD PDH PUI: JSDC00SWDSY2L (APID 29, FROM MCCH TO JEM_PDH) PARAMETER 1 (CHANNEL KEY) :0 PARAMETER 2 (TRANSFER TYPE): INDIRECT LOAD PARAMETER 3 (SOURCE\DESTINATION):DESTINATION PARAMETER 4 (STORAGE TYPE) : DRAM (2#10#) PARAMETER 5 (FILE LENGTH): 885248 (BYTES) PARAMETER 6 (BLOCK SIZE) : 256 PARAMETER 7 (GROUP SIZE):1600 PARAMETER 8 (GROUP NUMBER): 1 PARAMETER 9 (ADDRESS LENGETH): 4 PARAMETER 10 (ADDRESS): 0000 0000 PARAMETER 11 (INDIRECT CP_PDU VER): 0 PARAMETER 12 (INDIRECT CP_PDU TYPE)(CORE PACKET): 0 PARAMETER 13 (INDIRECT CP_PDU_APID): 801 PARAMETER 14 (INDIRECT APID EXT): 160 GMT _____:_____:_____ (HR:MIN:SEC) **NOTE** VERIFY THE FOLLOWING TELEMETRY APPOXIMATELY 5 MINUTES AFTER BEGINNING OF SOFTWARE LOAD.	
34-029	KCDH		TCMS (ACT_JCP_INFO) ‘DISK STATUS’ VERIFY: FILE TRANSFER STATUS – COMPLETED ENG: ACTIVE_JCP_TRANSFER STATUS PUI: JSDC00SWZ890J	
34-030	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0007 CMD: JEM TERMINATE TRANSFER COMMAND JCP_ACTIVE (APID 33, FROM MCC-H TO JCP ACTIVE) PUI: JSDC00SWZ9Y3L PARAMETER 1 (CHANNEL KEY): 0 GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-031	KCDH	SSFE	CES MATE LOAD ANDRUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0002 CMD: JEM TERMINATE FILE TRANSFER COMMAND PDH (APID 29, FROM MCC-H TO JEM_PDH) PUI: JSDC00SWDSY3L PARAMETER 1 (CHANNEL KEY) : 0 GMT _____:_____:_____ (HR:MIN:SEC)	
34-032	KCDH		TCMS (PDH) 'PDH STATUS' VERIFY: 1. PDH MODE - NORMAL ENG: PDH MODE STATUS PUI: JSDC00SWDO1UJ 2. BIT STATUS – VALID ENG: PDH POWER_ON_BIT STATUS PUI: JSDC00SWDO1TJ 3. BIT RESULT – NORMAL ENG: PDH POWER_ON BIT RESULT PUI: JSDC00SWDO1SJ 4. DETAILED BIT STATUS - INVALID ENG: PDH BIT DETAILED STATUS PUI:JSDC00SWDO1ZJ 'PDH SOFTWARE' 5. LOAD RESULT – NORMAL ENG: PDH S/W LOAD RESULT PUI: JSDC00SWDO1YJ 6. LOAD STATUS – VALID ENG: PDH S/W LOAD STATUS PUI: JSDC00SWDO1XJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-033	KCDH		TCMS (PDH) 'PDH ERROR STAT' VERIFY: 1. CCU/SRAM 1 BIT –NORMAL ENG: PDH ERROR STATUS(CCU,SRAM_1BIT_ERROR) PUI: JSDC00SWDO2CJ 2. BCU/SRAM 1 BIT – NORMAL ENG: PDH ERROR STATUS(BCU,SRAM_1BIT_ERROR) PUI: JSDC00SWDO2DJ 3. CCU/CDPM PARITY – NORMAL ENG: PDH ERROR STATUS(CCU,CDPM_PARITY_ERROR) PUI: JSDC00SWDO2EJ 4. BCU/CDPM PARITY - NORMAL ENG: PDH ERROR STATUS(BCU,CDPM_PARITY_ERROR) PUI: JSDC00SWDO2FJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

THE CCT DOWNLOAD TO ACTIVE PDH

NOTE

THE FOLLOWING PROCEDURE WILL LOAD THE CCT (COMMUNICATION CONFIGURATION TABLE) TO THE ACTIVE PDH.

34-034 KCDH SSFE CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X0006
CMD:JEM SET FILE NAME COMMAND JCP_ACTIVE
(APID 33, FROM MCCH TO JCP_ACTIVE)
PUI:JSDC00SWZ9Y2L
PARAMETER1 (CHANNEL KEY): 0
PARAMETER2 (TRANSFER TYPE): INDIRECT LOAD
PARAMETER3 (SOURCE/DESTINATION): SOURCE
PARAMETER4 (STORAGE TYPE): DISK (2#01#)
PARAMETER5 (FILE LENGTH):102400 BYTES
PARAMETER6 (BLOCK SIZE): 256
PARAMETER7 (GROUP SIZE): 1600
PARAMETER8 (GROUP NUMBER):1
PARAMETER9 (FILE NAME LENGTH): 17
PARAMETER10 (FILE NAME):/PDHS/TBLIMAX.DAT
PARAMETER11 (INDIRECT CP_PDU VER): 0
PARAMETER12 (INDIRECT CP_PDU TYPE): 0
PARAMETER13 (INDIRECT CP_PDU APID):801
PARAMETER14 (INDIRECT APID EXT):160

GMT _____:_____:_____ (HR:MIN:SEC)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-035	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0001 CMD: JEM SET FILE NAME CMD PDH PUI: JSDC00SWDSY2L PARAMETER1 (CHANNEL KEY): 0 PARAMETER2 (TRANSFER TYPE): INDIRECT LOAD PARAMETER3 (SOURCE/DESTINATION): DESTINATION PARAMETER4 (STORAGE TYPE): DRAM (2#10#) PARAMETER5 (FILE LENGTH): 102400 BYTES PARAMETER6 (BLOCK SIZE): 256 PARAMETER7 (GROUP SIZE): 1600 PARAMETER8 (GROUP NUMBER): 1 PARAMETER9 (ADDRESS LENGTH): 4 PARAMETER10 (ADDRESS): 1410:0000 PARAMETER11 (INDIRECT CP_PDU VER): 0 PARAMETER12 (INDIRECT CP_PDU TYPE): 0 PARAMETER13 (INDIRECTP CP_PDU APID): 801 PARAMETER14 (INDIRECT APID EXT): 160 GMT _____:_____:_____ (HR:MIN:SEC) **NOTE** WAIT 5 MINUTES BEFORE PROCEDING TO THE NEXT STEP.	
34-036	KCDH		TCMS (ACT_JCP_INFO) ‘DISK STATUS’ VERIFY: FILE TRANSFER STATUS - COMPLETED ENGL ACTIVE_JCP TRANSFER STATUS PUI: JSDC00SWZ890J	
34-037	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0007 CMD: JEM TERMINATE TRANSFER COMMAND JCP_ACTIVE (APID 33, FROM MCC-H TO JCP_ACTIVE) PUI: JSDC00SWZ9Y3L PARAMETER1 (CHANNEL KEY):0 GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
34-038	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0002 CMD: JEM TERMINATE TRANSFER COMMAND PDH (APID 29, FROM MCC-H TO JEM_PDH) PUI: JSDC00SWDSY3L PARAMETER1 (CHANNEL KEY):0 GMT _____:_____:_____ (HR:MIN:SEC)	
			NOTE THE FOLLOWING STEP WILL ENABLE COM TO ALL RT UNDER THE ACTIVE PDH DEFINED IN THE CCT TABLE.	
34-039	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0048 CMD: JPM_CDH_PDH_CCT_SEL_TMPLT PUI: JSDD96IM0162K PARAMETER1 (PDH LOCAL COMMAND ID):16#E080# PARAMETER2 (PDH COMMUNICATION CONFIGURATION PARAMETER): COMMUNICATION CONIFUGRATION TABLE 1 (16#0100#) GMT _____:_____:_____ (HR:MIN:SEC)	
34-040	KCDH PTC 052	PTC DKQM	OPERATION SUPPORT SETUP - JEM PDH ACTIVATION COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN)	

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
35-000			**OPERATION SUPPORT SETUP - JEM PDH DEACTIVATION**	
35-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ RECORD OPTION PREFORMED:_____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			NOTE DUE TO JEM C&DH CONFIGURATION ONLY 1 OPTION CAN BE PREFORMED AT ANY GIVEN EVENT.	
			OPTION A PDH –A DEACTIVATION	
			NOTE PDH A IS USED IN MEIT III TO SUPPORT C&T/C&DH/EPS REQUIREMENTS	
35-002	PTC	KCDH KCNT KEPS TLM	VERIFY READY FOR PDH – A POWER DOWN.	
			NOTE PERFORM THE FOLLOWING STEP IF COMMUNICATION BETWEEN THE PDH AND PAYLOAD IS ACTIVE.	
35-003	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0049 CMD: JPM_CDH_PDH_CCT_SEL_TMPLT PUI: JSDD96IM0162K PARAMETER 1 (PDH LOCAL COMMAND ID): 16#E080# PARAMETER 2 (PDH COMMUNICATION CONFIGURATION TABLE): NO COMMUNICATION GMT _____:_____:_____ (HR:MIN:SEC) NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
35-004	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0089 CMD: JPM_EPS_PDB_A_DMS1_RPC03_(PDH_A)_OP PUI: JSPX96IM0523K GMT _____:_____:_____ (HR:MIN:SEC)	
35-005	KCDH		TCMS (PDH) ”PDH RPC POSN” ‘PDH A’ VERIFY: DMS_1 RPC3- OP ENG: PDB_DMS1 RPC3 POWER STATUS PUI: JSDC00FCP50EJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

OPTION B PDH-B DEACTIVATION

NOTE

PDH B IS ACTIVATED TO SUPPORT C&DH/C&T/EPS REQUIREMENTS.

35-006 PTC KCDH KEPS KCNT TLM
VERIFY READY FOR PDH-B DEACTIVATION.

NOTE

PERFORM THE FOLLOWING STEP IF COMMUNICATION BETWEEN THE PDH AND PAYLOAD IS ACTIVE.

35-007 KCDH SSFE
CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X0049
CMD: JPM_CDH_PDH_CCT_SEL_TMPLT
PUI: JSDD96IM0162K
PARAMETER 1 (PDH LOCAL COMMANDS ID):16#E080#
PARAMETER 2 (PDH COMMUNICATION CONFIGURATION PARAMETER): NO COMMUNICATIION

GMT _____:_____:_____ (HR:MIN:SEC)

NOT PERFORMED:_____

35-008 KCDH SSFE
CES MATE:
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X008D
CMD: JPM_EPS_PDB_B_DMS2_RPC_03_(PDH_B)_OP
PUI: JSPX96IM0531K

GMT _____:_____:_____ (HR:MIN:SEC)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
35-009	KCDH		TCMS(PDH) “PDH RPC POSN” ’PDH – B’ VERIFY: DMS2_RPC3 – OFF ENG: PDB_DMS2 RPC3 POWER STATUS PUI: JSDC00FCP60EJ	
35-010	KCDH PTC 052	PTC DKQM	OPERATION SUPPORT SETUP - JEM PDH DEACTIVATION COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN)	

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
36-000			**OPERATION SUPPORT SETUP - CHECS ACTIVATION**	
36-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN)	NV:_____
36-002	KCDH	SJT1	CHECS SPECTROMETER 1. TURN POWER SWITCH – ON 2. VERIFY GREEN LED – ON	T:_____
			NOTE WAIT A MINIMUM OF 5 MINUTES FOR THE INTERNAL ACTIVATION OF THE CHECS SPECTROMETER.	
36-003	KCDH	SJT1	CHECS SPECTROMETER VERIFY ON THE 14 CHARACTER DISPLAY: IV2 STANDBY MODE 1553 COMM RT 27	T:_____
36-004	KCDH		TCMS(DMON) VERIFY: CHECS CPDS MODE INDICATOR – STANDBY ENG: CH IVCPDS HEALTH AND STATUS WORD 2 MODE INDICATOR PUI: USFC08FC1017U	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE THE CHECS CPDS (SPECTROMETER) WILL TRANSITION AUTOMATICALLY FROM STANDBY TO ACQUISITION MODE AFTER A 1-HOUR PERIOD OF INACTIVITY. BUS REDUNDANCY CHECKOUT CAN BE PERFORMED WITH THE CHECS SPECTROMETER IN STANDBY OR ACQUISITION MODE.	
36-005 PTC 052	KCDH DKQM	PTC	OPERATION SUPPORT SETUP - CHECS ACTIVATION COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN)	

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
37-000			**OPERATION SUPPORT SETUP - CHECS DEACTIVATION**	
37-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			NOTE THE CHECS SPECTROMETER SHOULD BE IN STANDBY MODE BEFORE IT IS DEACTIVATED.	
37-002	KCDH		TCMS(DMON) RECORD CHECS CPDS MODE INDICATOR: _____ PUI: USFC08FC1017U	
			NOTE IF THE CHECS SPECTROMETER IS NOT IN STANDBY MODE, PERFORM THE FOLLOWING TWO STEPS. OTHERWISE TAKE A 'NOT PERFORMED' ON THE NEXT TWO STEPS.	
37-003	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FC CMD: STANDBY MODE COMMAND OPS: IVCPDS_STANDBY PUI: USFC96IM0036K GMT _____:_____:_____ (HR:MIN:SEC) NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
37-004	KCDH		TCMS(DMON) VERIFY: CHECS CPDS MODE INDICATOR – STANDBY ENG: CH IVCPDS HEALTH AND STATUS WORD 2 MODE INDICATOR PUI: USFC08FC1017U NOT PERFORMED:_____	
37-005	KCDH	SJT1	CHECS CPDS (SPECTROMETER) 1. TURN POWER SWITCH – OFF 2. VERIFY GREEN LED – OFF T:_____	
37-006	KCDH PTC 052	PTC DKQM	OPERATION SUPPORT SETUP - CHECS DEACTIVATION COMPLETE. GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
38-000			**OPERATION SUPPORT SETUP - HIGH RATE FRAME MULTIPLEXER (HRFM) DVTM ACTIVATION**	
38-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
38-002	KCTE	SSFE DKQM	PERFORM OMI R2005 OPERATION SUPPORT: C&T ORU ACTIVATION SEQUENCE, HRFM DVTM POWER-UP (RUN ONLY THE STEPS TO ACTIVATE COOLING AND APPLY POWER TO HRFM DVTM). STEPS:_____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			NOTE PERFORM THE FOLLOWING 2 STEPS IF RT STATUS AND FDIR ARE NOT ALREADY IN PROPER CONFIGURATION	
38-003	KCTE	MS1	PCS HOME: C&T: KU BAND: HRFM CONFIG: CB CT 2 RT STATUS 'RT STATUS' CMD: 10 HRFM ENABLE OPS: PRIM_CCS_ENA_RT_TMPLT PUI: LADD96IM1018K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) VERIFY: STATUS LINE: COMMAND ACCEPTED 10 HRFM RT STATUS: ENA NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
38-004	KCTE	MS1	PCS HOME: C&T: KU BAND: HRFM CONFIG: CB CT 2 RT STATUS 'RT FDIR STATUS' CMD: 10 HRFM FDIR INHIBIT OPS: PRIM_CCS_INH_RT_FDIR_TMPLT PUI: LADD96IM0770K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) VERIFY: STATUS LINE: COMMAND ACCEPTED 10 HRFM RT FDIR STATUS: INH NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP CMD RESP DESCRIPTION VERIF.

NOTE

PERFORM THE FOLLOWING STEP IF THE DEFAULT
MEIT3 HRFM CONFIGURATION IS DESIRED

38-005 KCTE MS1 PCS
HOME: C&T: KU BAND: HRFM CONFIG

ENTER PENDING VALUES IN GUI FIELDS:

OUTPUT RATE	50 MBPS

INPUT CHANNEL	MODE	TYPE	RATE	TIMEOUT (T/O)
VBSP CH1	NORM	(N/A)	0 (8BIT)	4.096 S
VBSP CH2	NORM		32.0 (8BIT)	4.096 S
VBSP CH3	NORM		0 (8BIT)	4.096 S
VBSP CH4	NORM		0 (8BIT)	4.096 S
HDR CH1	NORM	CCSDS	1 MBPS	4.096 S
HDR CH2	NORM	CCSDS	1 MBPS	4.096 S
HDR CH3	NORM	CCSDS	1 MBPS	4.096 S
HDR CH4	NORM	CCSDS	1 MBPS	4.096 S
HDR CH5	NORM	CCSDS	1 MBPS	4.096 S
HDR CH6	NORM	CCSDS	1 MBPS	4.096 S
HDR CH7	NORM	CCSDS	1 MBPS	4.096 S
HDR CH8	NORM	CCSDS	1 MBPS	4.096 S

VERIFY:
ALL PENDING VALUES MATCH TABLES ABOVE

CMD:
EXECUTE HRFM FUNCTION CONFIG

GMT _____:_____:_____ (HR:MIN:SEC)

VERIFY:
STATUS LINE: COMMAND ACCEPTED
ALL ACTUAL VALUES MATCH PENDING VALUES ON DISPLAY

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

PERFORM THE FOLLOWING STEP IF ANY OTHER HRFM CONFIGURATION IS DESIRED

38-006 KCTE MS1 PCS
HOME: C&T: KU BAND: HRFM CONFIG

RECORD DESIRED VALUES IN TABLES BELOW, AND ON PCS ENTER PENDING VALUES IN GUI FIELDS:

OUTPUT RATE	

INPUT CHANNEL	MODE	TYPE	RATE	TIMEOUT (T/O)
VBSP CH1		(N/A)		
VBSP CH2				
VBSP CH3				
VBSP CH4				
HDR CH1				
HDR CH2				
HDR CH3				
HDR CH4				
HDR CH5				
HDR CH6				
HDR CH7				
HDR CH8				

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			VERIFY: ALL PENDING VALUES MATCH TABLES ABOVE CMD: EXECUTE HRFM FUNCTION CONFIG GMT _____:_____:_____ (HR:MIN:SEC) VERIFY: STATUS LINE: COMMAND ACCEPTED ALL ACTUAL VALUES MATCH PENDING VALUES ON DISPLAY	
				NOT PERFORMED:_____
38-007	KCTE PTC	PTC DKQM	OPERATION SUPPORT SETUP - HRFM ACTIVATION COMPLETE GMT _____:_____:_____ (DAY:HR:MIN)	
				NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
39-000			**OPERATION SUPPORT SETUP - HIGH RATE FRAME MULTIPLEXER (HRFM) DVTM DEACTIVATION**	
39-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
39-002	KCTE	MS1	PCS HOME: C&T: KU BAND: HRFM CONFIG: CB CT 2 RT STATUS 'RT STATUS' CMD: 10 HRFM INHIBIT OPS: PRIM_CCS_INH_RT_TMPLT PUI: LADD96IM1019K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) VERIFY: STATUS LINE: COMMAND ACCEPTED 10 HRFM RT STATUS: INH	
39-003	KCTE	SSFE DKQM	PERFORM OMI R2005 OPERATION SUPPORT: C&T FEU DEACTIVATION SEQUENCE, HRFM DVTM POWER-DOWN (ONLY RUN STEPS TO REMOVE POWER FROM HRFM DVTM). STEPS:_____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
39-004	KCTE PTC	PTC DKQM	OPERATION SUPPORT SETUP - HRFM DEACTIVATION COMPLETE GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
40-000			**OPERATION SUPPORT SETUP - VIDEO BASEBAND SIGNAL PROCESSOR (VBSP) DVTM ACTIVATION**	
40-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN)	
				NV:_____
40-002	KCTE	SSFE DKQM	PERFORM OMI R2005 OPERATION SUPPORT: C&T ORU ACTIVATION SEQUENCE, VBSP DVTM POWER-UP. (ONLY RUN STEPS TO ACTIVATE COOLING AND APPLY POWER TO VBSP DVTM). STEPS:_____ GMT _____:_____:_____ (DAY:HR:MIN)	
				NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

PERFORM THE FOLLOWING STEP IF RT STATUS AND FDIR ARE NOT ALREADY IN PROPER CONFIGURATION

40-003 KCTE MS1 PCS
HOME: C&T: KU BAND: VBSP CONFIG: CB CT 3 RT STATUS

'RT STATUS'

1. CMD: 13 VBSP ENABLE
OPS: PRIM_CCS_ENA_RT_TMPLT
PUI: LADD96IM1018K
EXECUTE

GMT _____:_____:_____ (HR:MIN:SEC)

VERIFY:
STATUS LINE: COMMAND ACCEPTED
13 VBSP RT STATUS: ENA

'RT FDIR STATUS'

2. CMD: 13 VBSP FDIR INHIBIT
OPS: PRIM_CCS_INH_RT_FDIR_TMPLT
PUI: LADD96IM0770K
EXECUTE

GMT _____:_____:_____ (HR:MIN:SEC)

VERIFY:
STATUS LINE: COMMAND ACCEPTED
13 VBSP RT STATUS: INH

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

PERFORM THE FOLLOWING STEP IF THE DEFAULT
MEIT3 VBSP CONFIGURATION IS DESIRED

40-004 KCTE MS1 PCS
HOME: C&T: KU BAND: VBSP CONFIG

ENTER PENDING VALUES IN GUI FIELDS:

INPUT CHANNEL	MODE	FIELD RATE	RESOLUTION
CHANNEL 1	NORMAL	0	8 BIT
CHANNEL 2	NORMAL	30	8 BIT
CHANNEL 3	NORMAL	0	8 BIT
CHANNEL 4	NORMAL	0	8 BIT

VERIFY:
ALL PENDING VALUES MATCH TABLE ABOVE

CMD:
EXECUTE VBSP FUNCTION CONFIG

GMT _____:_____:_____(HR:MIN:SEC)

VERIFY:
STATUS LINE: COMMAND ACCEPTED
ALL ACTUAL VALUES MATCH PENDING VALUES ON DISPLAY

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

PERFORM THE FOLLOWING STEP IF ANY OTHER
VBSP CONFIGURATION IS DESIRED

40-005 KCTE MS1 PCS
HOME: C&T: KU BAND: VBSP CONFIG

RECORD DESIRED VALUES IN TABLES BELOW, AND ON
PCS ENTER PENDING VALUES IN GUI FIELDS:

INPUT CHANNEL	MODE	FIELD RATE	RESOLUTION
CHANNEL 1			
CHANNEL 2			
CHANNEL 3			
CHANNEL 4			

VERIFY:
ALL PENDING VALUES MATCH TABLE ABOVE

CMD:
EXECUTE VBSP FUNCTION CONFIG

GMT _____:_____:_____ (HR:MIN:SEC)

VERIFY:
STATUS LINE: COMMAND ACCEPTED
ALL ACTUAL VALUES MATCH PENDING VALUES ON DISPLAY

NOT PERFORMED:_____

40-006 KCTE PTC OPERATION SUPPORT SETUP - VBSP ACTIVATION
PTC DKQM COMPLETE

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
41-000			**OPERATION SUPPORT SETUP - VIDEO BASEBAND SIGNAL PROCESSOR (VBSP) DVTM DEACTIVATION**	
41-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
41-002	KCTE	MS1	PCS HOME: C&T: KU BAND: VBSP CONFIG: CB CT 3 RT STATUS 'RT STATUS' CMD: 13 VBSP INHIBIT OPS: PRIM_CCS_INH_RT_TMPLT PUI: LADD96IM1019K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) VERIFY: STATUS LINE: COMMAND ACCEPTED 13 VBSP RT STATUS: INH	
41-003	KCTE	SSFE DKQM	PERFORM OMI R2005 OPERATION SUPPORT: C&T FEU DEACTIVATION SEQUENCE, VBSP DVTM POWER-DOWN (ONLY RUN STEPS TO REMOVE POWER FROM VBSP DVTM). STEPS: _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
41-004	KCTE PTC	PTC DKQM	OPERATION SUPPORT SETUP - VBSP DEACTIVATION COMPLETE GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
42-000			**OPERATION SUPPORT SETUP - HIGH-RATE COMMUNICATION OUTAGE RECORDER (HCOR) EDU ACTIVATION**	
42-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
42-002	KCTE	SSFE DKQM	PERFORM OMI R2005 OPERATION SUPPORT: C&T ORU ACTIVATION SEQUENCE, HCOR EDU POWER-UP (ONLY RUN STEPS TO APPLY POWER TO CT01 RACK AND HCOR EDU). STEPS: _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			NOTE PERFORM THE FOLLOWING 2 STEPS IF RT STATUS AND FDIR ARE NOT ALREADY IN PROPER CONFIGURATION	
42-003	KCTE	MS1	PCS HOME: C&T: COR: HCOR OVERVIEW: CB CT BIA 23 RT STATUS 'RT STATUS' CMD: 10 COR ENABLE OPS: PRIM_CCS_ENA_RT_TMPLT PUI: LADD96IM1018K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) VERIFY: STATUS LINE: COMMAND ACCEPTED 10 COR RT STATUS: ENA NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
42-004	KCTE	MS1	PCS HOME: C&T: COR: HCOR OVERVIEW: CB CT BIA 23 RT STATUS 'RT FDIR STATUS' CMD: 10 COR FDIR INHIBIT OPS: PRIM_CCS_INH_RT_FDIR_TMPLT PUI: LADD96IM0770K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) VERIFY: STATUS LINE: COMMAND ACCEPTED 10 COR RT STATUS: INH NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP CMD RESP DESCRIPTION VERIF.

NOTE

PERFORM THE FOLLOWING STEP IF THE HCOR CONFIGURATION DIFFERS FROM THAT SHOWN IN THE TABLE WITHIN THE STEP.

42-005 KCTE MS1 PCS
HOME: C&T: COR: HCOR OVERVIEW: INPUT CH STATUS:
INPUT CHANNEL CONFIGURATION

ENTER REQUIRED CHANNEL CONFIGURATION VALUES IN GUI FIELDS FOR ANY THAT DIFFER FROM THE TABLE. THIS TABLE IS PERPENDICULAR TO THE PCS DISPLAY:

INPUT CHANNEL	**MODE**	**RATE MBPS**	**T/O VALUE, MS**	**APID**
1	CCSDS	5	4096	0
2	CCSDS	5	4096	0
3	CCSDS	5	4096	0
4	CCSDS	5	4096	0
5	CCSDS	5	4096	0
6	CCSDS	5	4096	0
7	CCSDS	5	4096	0
8	CCSDS	5	4096	0

VERIFY:
ALL REQUIRED VALUES MATCH TABLE ABOVE

CMD:
SET

GMT _____:_____:_____ (HR:MIN:SEC)

VERIFY:
STATUS LINE: COMMAND ACCEPTED
ALL ACTUAL INPUT CHANNEL CONFIGURATION VALUES MATCH PENDING VALUES ON DISPLAY

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

42-006 KCTE MS1 PCS
HOME: C&T: COR: HCOR OVERVIEW: PASS THRU

'CONFIGURE PASS THRU'

ENTER REQUIRED PENDING CHANNEL CONFIGURATION VALUES IN GUI FIELDS:

CHANNEL	PASS THRU
1	DISABLE
2	DISABLE
3	DISABLE
4	DISABLE
5	DISABLE
6	DISABLE
7	DISABLE
8	DISABLE

CMD:
SET

GMT _____:_____:_____ (HR:MIN:SEC)

VERIFY:

STATUS LINE: COMMAND ACCEPTED

'PASS THRU ENABLED' VALUES MATCH TABLE BELOW:

CHANNEL	PASS THRU
1	(BLANK)
2	(BLANK)
3	(BLANK)
4	(BLANK)
5	(BLANK)
6	(BLANK)
7	(BLANK)
8	(BLANK)

42-007 KCTE PTC OPERATION SUPPORT SETUP - HCOR ACTIVATION
PTC DKQM COMPLETE

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
43-000			**OPERATION SUPPORT SETUP - HIGH-RATE COMMUNICATION OUTAGE RECORDER (HCOR) EDU DEACTIVATION**	
43-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
43-002	KCTE	MS1	PCS HOME: C&T: COR: HCOR OVERVIEW: CB CT BIA 23 RT STATUS 'RT STATUS' CMD: 10 COR INHIBIT OPS: PRIM_CCS_INH_RT_TMPLT PUI: LADD96IM1019K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) VERIFY: STATUS LINE: COMMAND ACCEPTED 10 COR RT STATUS: INH	
43-003	KCTE	SSFE DKQM	PERFORM OMI R2005 OPERATION SUPPORT: C&T ORU DEACTIVATION SEQUENCE, HCOR EDU POWER-DOWN (ONLY RUN STEPS TO REMOVE POWER FROM CT01 RACK AND HCOR EDU). STEPS: _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
43-004	KCTE PTC	PTC DKQM	OPERATION SUPPORT SETUP - HCOR DEACTIVATION COMPLETE GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
44-000			**OPERATION SUPPORT SETUP - VIDEO SYSTEM ACTIVATION**	
44-001	PTC	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			NOTE PERFORM ANY OR ALL OF STEPS IN THIS SEQUENCE TO PROPERLY CONFIGURE THE VIDEO SYSTEM PER TASK LEADER DISCRETION **A STRING ACTIVATION** **POWER ON CVIU_A**	
44-002	KCTE TLM	TLM SLT	SLT JPM:EPS:MAIN:PDB WS:RPC 11 'JPM EPS WS PDB RPC11 CMD' CMD: RPC CLOSE OPS: JPM_EPS_PDB_A_WS_RPC11_(CVIU_A)_CL PUI: JSPX96IM0619K EXECUTE GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
44-003	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS:RPC 11	
			'JPM EPS WS PDB'	
			VERIFY:RPC 11 - CLOSE ENG: PDB_WS RPC11 POWER STATUS PUI: JSDC00FCPB0TJ	
			NOT PERFORMED:_____ (PREVIOUS 2 STEPS)	
			NOTE DIU_A3 HEALTH STATUS SUMMARY MAY INDICATE "ERROR" AND DIU_A3 RS422 PORT 4 SAMPLE ERROR MAY INDICATE "ABNORMAL" WHEN THE FOLLOWING STEP IS PERFORMED BECAUSE THE COMMUNICATION BETWEEN DIU_A3 AND VCU_A CAN NOT BE ESTABLISHED DURING VCU_A BIT (APPROXIMATELY 20 SEC).	
			POWER ON VCU_A	
44-004	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS:RPC 03	
			'JPM EPS WS PDB RPC3 CMD'	
			CMD: RPC CLOSE OPS: JPM_EPS_PDB_A_WS_RPC03_(VCU_A)_CL PUI: JSPX96IM0614K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
44-005	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS	

'JPM EPS WS PDB'

VERIFY: RPC 03 - CLOSE
ENG: PDB_WS RPC3 POWER STATUS
PUI: JSDC00FCPB0LJ

NOT PERFORMED:_____
(PREVIOUS 2 STEPS)

NOTE

IT MAY TAKE UP TO 1 MINUTES TO PERFORM THE VERIFICATION IN THE FOLLOWING STEP.

NOTE

THE HSS ERROR FOR DIU-III WILL OCCUR AND IT CAN BE MONITORED ON THE DPE.

VERIFY VCU A STATUS

44-006	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T: VCU A	

'JPM CT VCU A STAT'

VERIFY:

1. BIT STATUS - VALID
   ENG: VCU_A BIT STATUS
   PUI: JSDC00FCC20NJ

2. BIT RESULT SUMMARY - NORMAL
   ENG: VCU_A BIT RESULT SUMMARY
   PUI: JSDC00FCC20OJ

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			POWER ON CPB_A	
44-007	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS:RPC 8	
			'JPM EPS WS PDB RPC8 CMD'	
			CMD: RPC CLOSE OPS: JPM_EPS_PDB_A_WS_RPC08_(CPB_A)_CL PUI: JSPX96IM0618K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
44-008	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS	
			'JPM EPS WS PDB'	
			VERIFY: RPC8 - CLOSE ENG: PDB_WS RPC8 POWER STATUS PUI: JSDC00FCPB0QJ	
				NOT PERFORMED:_____ (PREVIOUS 2 STEPS)
			VERIFY CPB_A STATUS	
44-009	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:CPB A:FWC	
			'JPM CT CPB A FWC STAT'	
			VERIFY: HEALTH STATUS - NORMAL ENG: CPB_A HEALTH STATUS PUI: JSDC00FCC000J	
				NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

B STRING ACTIVATION

POWER ON CVIU_B

44-010 KCTE TLM SLT
TLM SLT JPM:EPS:MAIN:PDB_B2:RPC6

CMD: RPC CLOSE
OPS: JPM_EPS_PDB_B2_RPC06_(CVIU_B)_CL
PUI: JSPX96IM0507K
EXECUTE

GMT _____:_____:_____ (HR:MIN:SEC)

44-011 KCTE TLM SLT
TLM SLT JPM:EPS:MAIN:PDB B2

'JPM EPS PDB B2'

VERIFY: RPC6 - CLOSED
ENG: PDB_B2 RPC6 POWER STATUS
PUI: JSDC00FCP40HJ

NOT PERFORMED:_____
(PREVIOUS 2 STEPS)

NOTE

DIU_B2 HEALTH STATUS SUMMARY MAY INDICATE "ERROR" AND DIU_B2 RS422 PORT 1 SAMPLE ERROR MAY INDICATE "ABNORMAL" WHEN THE FOLLOWING STEP IS PERFORMED BECAUSE THE COMMUNICATION BETWEEN DIU_B2 AND VCU_B CAN NOT BE ESTABLISHED DURING VCU_B BIT (APPROXIMATELY 20 SEC).

POWER ON VCU_B

44-012 KCTE TLM SLT
TLM SLT JPM:EPS:MAIN:PDB_B2:RPC 02

'JPM EPS PDB B2 RPC2 CMD'

CMD: RPC CLOSE
ENG: POWER_ON PDB_B2_RPC2
OPS: JPM_EPS_PDB_B2_RPC02_(VCU_B)_CL
PUI: JSPX96IM0503K
EXECUTE

GMT _____:_____:_____ (HR:MIN:SEC)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
44-013	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB_B2	

'JPM EPS PDB B2 RPC2 CMD'

VERIFY: RPC2 - CLOSE
ENG: PDB_B2 RPC2 POWER STATUS
PUI: JSDC00FCP40DJ

NOT PERFORMED:_____
(PREVIOUS 2 STEPS)

NOTE

IT MAY TAKE UP TO 1 MINUTE TO PERFORM THE VERIFICATION IN THE FOLLOWING STEP.

NOTE

THE HSS ERROR FOR DIU-III WILL OCCUR AND IT CAN BE MONITORED ON THE DPE.

VERIFY VCU B STATUS

44-014	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:VCU B	

'JPM CT VCU B STAT'

VERIFY:

1. BIT STATUS - VALID
   ENG: VCU_B BIT STATUS
   PUI: JSDC00FCC40NJ

2. BIT RESULT SUMMARY - NORMAL
   ENG: VCU_B BIT RESULT SUMMARY
   PUI: JSDC00FCC40OJ

NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			POWER ON CPB_B	
44-015	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB B2:RPC 4	
			'JPM EPS PDB B2 RPC4 CMD'	
			CMD: RPC CLOSE OPS: JPM_EPS_PDB_B2_RPC04_(CPB_B)_CL PUI: JSPX96IM0505K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
44-016	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB B2	
			'JPM EPS PDB B2'	
			VERIFY: RPC4 - CLOSE ENG: PDB_B2 RPC4 POWER STATUS PUI: JSDC00FCP40FJ	
				NOT PERFORMED:_____ (PREVIOUS 2 STEPS)
			VERIFY CPB_B STATUS	
44-017	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:CPB B:FWC	
			'JPM CT CPB B FWC STAT'	
			VERIFY: HEALTH STATUS - NORMAL ENG: CPB_B HEALTH STATUS PUI: JSDC00FCC100J	
				NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			CAMERA ACTIVATIONS	
			ACTIVATE TVC INT S	
44-018	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:CPB A:SW3	
			'JPM CT CPB A SW3 CMD'	
			CMD: SWITCH CLOSE OPS: JPM_C&T_CPB_A_SW3_(TVC_A_INT_S)_CL PUI: JSPX96IM0004K	
			GMT _____:_____:_____ (HR:MIN:SEC)	
44-019	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:CPB A	
			'JPM CT CPB A'	
			VERIFY: SW3 - CLOSE ENG: CPB_A_OUT3 POWER STATUS PUI: JSDC00FCC006J	
			NOT PERFORMED:_____ (PREVIOUS 2 STEPS)	
			ACTIVATE TVC INT P	
44-020	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:CPB B:SW2	
			'JPM CT CPB B SW2 CMD'	
			CMD: SWITCH CLOSE OPS: JPM_C&T_CPB_B_SW2_(TVC_B_INT_P)_CL PUI: JSPX96IM0008K	
			GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
44-021	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:CPB B	
			‘JPM CT CPB B’	
			VERIFY: SW2 - CLOSE ENG: CPB_B_OUT2 POWER STATUS PUI: JSDC00FCC105J	
				NOT PERFORMED:_____ (PREVIOUS 2 STEPS)
			SET TVC OPERATIONAL POSITION TO CCP	
44-022	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:VCU A:TVC CONTROL SITE CMD	
			‘JPM CT TVC CNTL SITE CMD’	
			CMD: CCP ENG: SELECT TVC_OPERATION_POSTN OPS: JPM_C&T_VCU_TVC/PTU_CMD_AUTH_SET_TMPLT PUI: JSDD96IM0032K PARAMETER: 256 (CCP) EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
44-023	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:VCU A	
			‘JPM CT VCU A STAT’	
			VERIFY: TVC CONTROL SITE – CCP ENG: VCU_A JEM TVC/PTU OPERATION AUTHORIZATION STATUS PUI: JSDC00FCC20VJ	
44-024	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:VCU B	
			‘JPM CT VCU B STAT’	
			TVC CONTROL SITE – CCP ENG: VCU_B JEM TVC/PTU OPERATION AUTHORIZATION STATUS PUI: JSDC00FCC40VJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
44-025	KCTE	RLT	RMS CCP	
	TLM	RLT		
			VERIFY THE INDICATOR:	
			1. VCUA ENABLE IS ILLUMINATED	
			2. VCUB ENABLE IS ILLUMINATED	
			NOT PERFORMED:_____ (PREV. 4 STEPS)	
44-026	KCTE	RLT	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE):VIDEO CONNECT	
			1. CMD: VIDEO_CONNECT RMS_DISPLAY1 - EF_A OPS: JPM_C&T_VCU_TO_RMS_MON_B1_VID_CNCT_TMPLT PUI: JSDD96IM0025K PARAMETER: 22 (EF_A_VIDEO_SIGNAL)	
			SELECT RMS MON1	
			SELECCT EF_A	
			2. VERIFY ON RLT RMS MON1 STATUS IS EF_A ENG: VCU_A_VOUT5 CONNECT STATUS PUI: JSDC00FCC20KJ	
			NOT PERFORMED:_____	
44-027	KCTE	TLM	RMS TVM1	
	TLM	RLT	CONFIRM IMAGE OF INT_S VIEW IS DISPLAYED	
			RECORD:	
			CAMERA ID:_____	
			Z:_____	
			F:_____	
			I:_____	
			NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
44-028	KCTE	TLM	RLT	
	TLM	RLT	JEMRMS(HOMEPAGE)□VIDEO CONNECT	
			1. CMD: VIDEO_CONNECT RMS_DISPLAY2 - MA_EE OPS: JPM_C&T_VCU_TO_RMS_MON_B2_VID_CNCT_TMPLT PUI: JSDD96IM0026K SELECT RMS MON2 SELECT MA_EE 2. VERIFY ON RLT RMS MON2 STATUS IS MA_EE ENG: VCU_B_VOUT5 CONNECT STATUS PUI: JSDC00FCC40KJ	
			NOT PERFORMED:_____	
44-029	KCTE	TLM	RMS TVM2	
	TLM	RLT	CONFIRM IMAGE OF MA_EE VIEW IS DISPLAYED RECORD: CAMERA ID:_____ Z:_____ F:_____ I:_____	
			NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

1. IF REQUIRED, ADJUST CAMERA PARAMETER (ZOOM, FOCUS, IRIS) ACCORDING TO FOLLOWING STEP

2. ZOOM/FOCUS/IRIS SWITCHES ARE IDENTIFIED AS A NASDA LIMITED LIFE ITEM. RECORD HOW MANY TIMES THE CCP ZOOM/FOCUS/IRIS SWITCHES ARE USED TO ADJUST THE VIDEO IMAGE.

44-030 KCTE TLM UTILIZE RMS CCP TO CONTROL JEM CAMERA AS
TLM MJ1 REQUIRED

1. SELECT CAMERA EF_A (INT_S)

2. SELECT CAMERA MA_EE (INT_P)

RECORD NUMBER OF ZOOM SWITCH THROWS: _____

RECORD NUMBER OF FOCUS SWITCH THROWS: _____

NOT PERFORMED:_____

44-031 KCTE PTC OPERATION SUPPORT SETUP - VIDEO SYSTEM
PTC DKQM ACTIVATION COMPLETE

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
45-000			**OPERATION SUPPORT SETUP - VIDEO SYSTEM DEACTIVATION**	
45-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____(DAY:HR:MIN) NV:_____	
			NOTE PERFORM ANY OR ALL OF STEPS IN THIS SEQUENCE TO PROPERLY DECONFIGURE THE VIDEO SYSTEM PER TASK LEADER DISCRETION	
			SET TVC OPERATIONAL POSITION TO GROUND	
45-002	KCTE TLM	TLM SLT	SLT JPM:C&T:VCU A:TVC CONTROL SITE CMD 'JPM CT TVC CNTL SITE CMD' CMD: GROUND OPS: JPM_C&T_VCU_TVC/PTU_CMD_AUTH_SET_TMPLT PUI: JSDD96IM0032K PARAMETER: 0 (GROUND) EXECUTE GMT _____:_____:_____ (HR:MIN:SEC)	
45-003	KCTE TLM	TLM SLT	SLT JPM:C&T:VCU A 'JPM CT VCU A STAT' VERIFY: TVC CONTROL SITE – GROUND ENG: VCU_A JEM TVC/PTU OPERATION AUTHORIZATION STATUS PUI: JSDC00FCC20VJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
45-004	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:VCU B	
			'JPM CT VCU B STAT'	
			TVC CONTROL SITE – GROUND ENG: VCU_B JEM TVC/PTU OPERATION AUTHORIZATION STATUS PUI: JSDC00FCC40VJ	
45-005	KCTE	TLM	RMS CCP	
	TLM	RLT	VERIFY THE INDICATOR:	
			1. VCUA ENABLE IS NOT ILLUMINATED	
			2. VCUB ENABLE IS NOT ILLUMINATED	
				NOT PERFORMED:_____ (PREVIOUS 4 STEPS)
			CAMERA DEACTIVATIONS	
			DEACTIVATE TVC INT P	
45-006	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:CPB B:SW2	
			'JPM CT CPB B SW2 CMD'	
			1. CMD: SWITCH OPEN OPS: JPM_C&T_CPB_B_SW2_(TVC_B_INT_P)_OP PUI: JSPX96IM0009K	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			'JPM CT CPB B'	
			2. VERIFY: SW2 - OPEN ENG: CPB_B_OUT2 POWER STATUS PUI: JSDC00FCC105J	
				NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			DEACTIVATE TVC INT S	
45-007	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&T:CPB A:SW3	
			'JPM CT CPB A SW3 CMD'	
			1. CMD: SWITCH OPEN OPS: JPM_C&T_CPB_A_SW3_(TVC_A_INT_S)_OP PUI: JSPX96IM0005K	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			'JPM CT CPB A'	
			2. VERIFY: SW3 - OPEN ENG: CPB_A_OUT3 POWER STATUS PUI: JSDC00FCC006J	
				NOT PERFORMED:_____
			A STRING DEACTIVATIONS	
			POWER OFF CPB_A	
45-008	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS:RPC8	
			'JPM EPS WS PDB RPC8 CMD'	
			CMD: RPC OPEN OPS: JPM_EPS_PDB_A_WS_RPC08_(CPB_A)_OP PUI: JSPX96IM0628K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
45-009	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS	
			'JPM EPS WS PDB'	
			VERIFY: RPC8 - OPEN ENG: PDB_WS RPC8 POWER STATUS PUI: JSDC00FCPB0QJ	
				NOT PERFORMED:_____ (PREVIOUS 2 STEPS)
			POWER OFF VCU_A	
45-010	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS:RPC 03	
			'JPM EPS WS PDB RPC3 CMD'	
			1. CMD: RPC OPEN OPS: JPM_EPS_PDB_A_WS_RPC03_(VCU_A)_OP PUI: JSPX96IM0624K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			'JPM EPS WS PDB'	
			2. VERIFY: RPC3 - OPEN ENG: PDB_WS RPC3 POWER STATUS PUI: JSDC00FCPB0LJ	
				NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			POWER OFF CVIU_A	
45-011	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS:RPC 11	
			'JPM EPS WS PDB RPC11 CMD'	
			1. CMD: RPC OPEN OPS: JPM_EPS_PDB_A_WS_RPC11_(CVIU_A)_OP PUI: JSPX96IM0629K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			'JPM EPS WS PDB'	
			2. VERIFY: RPC 11 - OPEN ENG: PDB_WS RPC11 POWER STATUS PUI: JSDC00FCPB0TJ	
				NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			B STRING DEACTIVATION	
			POWER OFF CPB_B	
45-012	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB B2:RPC4	
			'JPM EPS PDB B2 RPC4 CMD'	
			CMD: RPC OPEN ENG: POWER_OFF PDB_B2_RPC4 OPS: JPM_EPS_PDB_B2_RPC04_(CPB_B)_OP PUI: JSPX96IM0512K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
45-013	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB B2	
			VERIFY: RPC4 – OPEN ENG: PDB_B2 RPC4 POWER STATUS PUI: JSDC00FCP40FJ	
			NOT PERFORMED:_____ (PREVIOUS 2 STEPS)	
			POWER OFF VCU_B	
45-014	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB B2:RPC 02	
			'JPM EPS PDB B2 RPC2 CMD'	
			1. CMD: RPC OPEN OPS: JPM_EPS_PDB_B2_RPC02_(VCU_B)_OP PUI: JSPX96IM0510K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			'JPM EPS PDB B2'	
			2. VERIFY:RPC2 – OPEN ENG: PDB_B2 RPC2 POWER STATUS PUI: JSDC00FCP40DJ	
			NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			POWER OFF CVIU_B	
45-015	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB B2:RPC 06	
			'JPM EPS PDB B2 RPC6 CMD'	
			1. CMD: RPC OPEN OPS: JPM_EPS_PDB_B2_RPC06_(CVIU_B)_OP PUI: JSPX96IM0514K EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			2. VERIFY: RPC6 – OPEN ENG: PDB_B2 RPC6 POWER STATUS PUI: JSDC00FCP40HJ	
				NOT PERFORMED:_____
45-016	KCTE	TLM	DEACTIVATE THE NASDA VIDEO TEST SET PER NASDA PROCEDURE JCX-2003117	
			START GMT _____:_____:_____(DAY:HR:MIN)	
			COMPLETE GMT _____:_____:_____(DAY:HR:MIN)	
				NV:_____
				NOT PERFORMED:_____
45-017	KCTE	TLM	PERFORM OPERATION SUPPORT SETUP - RMS	
	TLM	RLT	CONSOLE DEACTIVATION PER R0031V1 SEQUENCE 33	
		DKQM	AND REPORT COMPLETE	
			START GMT _____:_____:_____(DAY:HR:MIN)	
			COMPLETE GMT _____:_____:_____(DAY:HR:MIN)	
				NV:_____
				NOT PERFORMED:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
45-018	KCTE	SSFE DKQM	PERFORM OPERATION INSTRUCTION - RWS DEACTIVATION PER OMI R2005. REPORT COMPLETE START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN) NV:_____ NOT PERFORMED:_____	
45-019	KCTE	DKQM	PERFORM NODE 2 VSU-4 DEACTIVATION PER NODE 2 PROCEDURE R01120V1. REPORT COMPLETE. START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN) NV:_____ NOT PERFORMED:_____	
45-020	KCTE	SSFE DKQM	PERFORM OPERATION INSTRUCTION - C&T ORU DEACTIVATION PER OMI R2005. REPORT COMPLETE. START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN) NV:_____ NOT PERFORMED:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
45-021	KCTE	DKQM	PERFORM OPERATION INSTRUCTION – HRFM DEACTIVATION PER OMI R3001V1 SEQUENCE 39. REPORT COMPLETE. START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN) NV:_____ NOT PERFORMED:_____	
45-022	KCTE	DKQM	PERFORM OPERATION INSTRUCTION - VBSP DEACTIVATION PER OMI R3001V1 SEQUENCE 41. REPORT COMPLETE. START GMT _____:_____:_____(DAY:HR:MIN) COMPLETE GMT _____:_____:_____(DAY:HR:MIN) NV:_____ NOT PERFORMED:_____	
45-023	KCTE PTC	PTC DKQM	OPERATION SUPPORT SETUP – VIDEO SYSTEM DEACTIVATION COMPLETE GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

46-000 **OPERATION SUPPORT SETUP - RESERVED**

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
47-000			**OPERATION SUPPORT SETUP - HIGH-RATE MULTIPLEXER AND SWITCHER (HRMS) ORU ACTIVATION (JEM PM)**	
47-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			POWER ON HRMS **NOTE** HRMS HEALTH STATUS MAY INDICATE “ABNORMAL” DUE TO A KNOWN CONDITIION.	
47-002	KCTE TLM	TLM SLT	SLT JPM:EPS:MAIN:PDB WS:RPC13 CMD ‘JPM EPS WS PDB RPC13 CMD’ CMD: RPC CLOSE EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) ENG: POWER_ON PDB_WS_RPC13 OPS: JPM_EPS_PDB_A_WS_RPC13_(HRMS_A)_CL PUI: JSPX96IM0621K	
47-003	KCTE TLM	TLM SLT	SLT JPM:EPS:MAIN:PDB WS ‘JPM EPS WS PDB’ VERIFY: RPC13 – CLOSED (TO HRMS) ENG: PDB_WS RPC13 POWER STATUS PUI: JSDC00FCPB0VJ	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			POWER ON HRMS MUX	
47-004	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&DH:PLBUS:HRMS:MUX PWR STATUS 'JPM CDH HRMS MUX PWR CMD'	
			CMD: POWER ON EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			ENG: POWER_ON HRMS_MUX OPS: JPM_C&T_HRMS_A_MUX_ON PUI: JSDD96IM0173K	
47-005	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&DH:PLBUS:HRMS 'JPM CDH HRMS STAT'	
			RECORD: 1. TEMPERATURE:_____ DEG C ENG: HRMS TEMP PUI: JSDC00FCK101T	
			VERIFY: 2. MUX PWR STATUS: ON ENG: HRMS_MUX POWER STAUTS PUI: JSDC00FCK102J	
			3. HEALTH STATUS: NORMAL ENG: HRMS HEALTH STATUS PUI: JSDC00FCK100J	
47-006	KCTE	PTC	OPERATION SUPPORT SETUP - HRMS ACTIVATION	
	PTC	DKQM	COMPLETE	
			GMT _____:_____:_____ (DAY:HR:MIN)	

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
48-000			**OPERATION SUPPORT SETUP - HIGH-RATE MULTIPLEXER AND SWITCHER (HRMS) ORU DEACTIVATION (JEM PM)**	
48-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____ (DAY:HR:MIN) NV:_____	
			POWER OFF HRMS MUX	
48-002	KCTE TLM	TLM SLT	SLT JPM:CDH:PLBUS:HRMS 'JPM CDH HRMS STAT' RECORD: 1. TEMPERATURE:_____ DEG C ENG: HRMS TEMP PUI: JSDC00FCK101T VERIFY: 2. MUX PWR STATUS: ON ENG: HRMS_MUX POWER STATUS PUI: JSDC00FCK102J 3. HEALTH STATUS: NORMAL ENG: HRMS HEALTH STATUS PUI: JSDC00FCK100J	
48-003	KCTE TLM	TLM SLT	SLT JPM:C&DH:PLBUS:HRMS:MUX PWR STATUS 'JPM CDH HRMS MUX PWR CMD' CMD: POWER OFF EXECUTE GMT _____:_____:_____ (HR:MIN:SEC) ENG: POWER_OFF HRMS_MUX OPS: JPM_C&T_HRMS_A_MUX_OFF PUI: JSDD96IM0174K	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
48-004	KCTE	TLM	SLT	
	TLM	SLT	JPM:C&DH:PLBUS:HRMS 'JPM CDH HRMS STAT'	
			RECORD: VERIFY: MUX PWR STATUS: OFF ENG: HRMS_MUX POWER STATUS PUI: JSDC00FCK102J	
			POWER OFF HRMS	
			NOTE HRMS HEALTH STATUS MAY INDICATE "ABNORMAL" DUE TO A KNOWN CONDITIION.	
48-005	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS:RPC13 CMD 'JPM EPS WS PDB RPC13 CMD'	
			CMD: RPC OPEN EXECUTE	
			GMT _____:_____:_____ (HR:MIN:SEC)	
			ENG: POWER_OFF PDB_WS_RPC13 OPS: JPM_EPS_PDB_A_WS_RPC13_(HRMS_A)_OP PUI: JSPX96IM0631K	
48-006	KCTE	TLM	SLT	
	TLM	SLT	JPM:EPS:MAIN:PDB WS 'JPM EPS WS PDB'	
			VERIFY: RPC13 – OPEN	
			ENG: PDB_WS RPC13 POWER STATUS PUI: JSDC00FCPB0VJ	
48-007	KCTE	ALL	OPERATION SUPPORT SETUP - HRMS DEACTIVATION	
	PTC	DKQM	COMPLETE.	
			GMT _____:_____:_____ (DAY:HR:MIN)	

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-000			**OPERATION SUPPORT SETUP - CHECS DATA ACQUISITION OPS SUPPORT SETUP SEQUENCE**	
49-001	PTC 052		RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____(DAY:HR:MIN) NV:_____	
			NOTE THE FOLLOWING COMMAND SESSIONS WILL BE RUN IN PARALLEL WITH LOCAL BUS REDUNDANCY TESTING AS TIME PERMITS. THEREFORE, A 'NOT PERFORMED' SHOULD BE TAKEN ON ANY COMMAND SESSION NOT EXECUTED DUE TO TIME CONSTRAINTS. **NOTE** COMMAND SESSIONS 1, 3 AND 5 ARE USED TO ACQUIRE DATA FROM THE CHECS ORU AND ARE IDENTICAL. **NOTE** THE COMMANDS TO THE CHECS ORU WILL BE ISSUED FROM THE CES MATE THROUGH THE PAYLOAD MDM. ALTHOUGH THE CHECS ORU IS CONNECTED TO A JEM MODULE UOP ON LB CHECS-JEM, THESE COMMANDS DO NOT INTERFACE WITH THE JEM CONTROL PROCESSOR (JCP). **COMMAND SESSION #1:**	
49-002	KCDH	SSFE	PASS-1000 BEGIN RECORDING LB CHECS-JEM BUS DATA RECORD: RT# 27 ALL SUBADDRESSES LOG FILENAME: _____ GMT _____:_____:_____ (DAY:HR:MIN)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-003	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FC CMD: STANDBY MODE COMMAND OPS: IVCPDS_STANDBY PUI: USFC96IM0036K GMT _____:_____:_____ (DAY:HR:MIN)	
49-004	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00E5 SETUP DUMP PIPE FROM C&C TO PL MDM LADD96IM0844K PRIM_CCS_SETUP_DATA_DUMP_TMPLT (LADP01MDC025L) LADP01MD0601K BUS ID = CB INT-1 (6) LADP01MD0602K DUMP TYPE = NORMAL (0) LADP01MD0603K REMOTE TERMINAL = 24 LADP01MD0604K SUBADDRESS = 14 LADP01MD0605K BIA SUBADDRESS = 32 GMT _____:_____:_____ (DAY:HR:MIN)	
49-005	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0107 CMD: NORMAL DATA DUMP COMMAND OPS: IVCPDS_START_DUMP_TMPLT PUI: USFC96IM0066K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-006	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00D1 SETUP DUMP PIPE FROM PLMDM TO PAYLOAD TO CPDS LADD95SM0070K PRIM_PL_SETUP_DATA_DUMP_TMPLT (LADP10MDZZ19L) USDG12MD0019K BUS ID = LB CHECS-JEM (7) USDG12MD0021K DUMP TYPE = NORMAL (0) USDG12MD0017K RT ADDRESS = 27 USDG12MD0016K SUBADDRESS = 14 USDG12MD0020K BIA SA = 14 GMT _____:_____:_____ (HR:MIN:SEC)	
49-007	KCDH		TCMS DUMP PAGE VERIFY IVCPDS DUMP ACTIVE (WORD 1 = 0X0FBF, APID 1983) **NOTE** THE IVCPDS DUMP WILL TAKE APPROXIMATELY 9 MINUTES AND 42 SECONDS TO COMPLETE. SINCE THE DUMP COMMAND IS SENT BEFORE THE SETUP PIPE, BE SURE TO ALLOW TIME FOR THE DUMP TO START BACK AT THE PLACE WHERE IT WAS WHEN THE PIPE BECAME ACTIVE TO GET THE FULL DUMP ARCHIVED. (REFERENCE FILE/BLOCK NUMBERS ON DMON.) THE FOLLOWING COMMAND WILL TERMINATE THE DUMP.	
49-008	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FF CMD: NULL COMMAND OPS: IVCPDS_NULL_RESET PUI: USFC96IM0040K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE THE ACQUIRE COMMAND WILL CAUSE THE IVCPDS TO RESET, WHICH AFFECTS THE DUMP HEADER. TO ENSURE NO IMPACT TO THE SBAND DOWNLINK, THE FOLLOWING STEP REMOVES THE DUMP PIPE FROM THE PL-MDM TO THE IVCPDS.	
49-009	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS WITH INDEX: 0X00D2 PUI: LADD96IM0415K OPS: PRIM_PL_START_DATA_DUMP_TMPLT (NORMAL DUMP PL-MDM BST 0A0500, # OF WORDS=86) GMT _____:_____:_____ (DAY:HR:MIN)	
49-010	KCDH		TCMS DUMP PAGE VERIFY PL-MDM DUMP ACTIVE (WORD 1 = 0X0CD5, APID 1237)	
49-011	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FD CMD: ACQUIRE MODE COMMAND OPS: IVCPDS_ACQUIRE PUI: USFC96IM0037K GMT _____:_____:_____ (HR:MIN:SEC)	
49-012	KCDH	SSFE	PASS-1000 STOP RECORDING LB CHECS-JEM BUS DATA GMT _____:_____:_____ (HR:MIN:SEC)	

NOT PERFORMED:_____
(PREVIOUS 11 STEPS)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			COMMAND SESSION #2:	
49-013	KCDH	SSFE	PASS-1000 BEGIN RECORDING LB CHECS-JEM BUS DATA RECORD: RT# 27 ALL SUBADDRESSES LOG FILENAME: _____ GMT _____:_____:_____ (DAY:HR:MIN)	
49-014	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FC CMD: STANDBY MODE COMMAND OPS: IVCPDS_STANDBY PUI: USFC96IM0036K GMT _____:_____:_____ (HR:MIN:SEC)	
49-015	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0100 CMD: INSTRUMENT BUILT-IN TEST COMMAND OPS: IVCPDS_INSTRUMENT_BIT PUI: USFC96IM0047K GMT _____:_____:_____ (HR:MIN:SEC)	
49-016	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0101 CMD: COMPONENT BUILT-IN TEST COMMAND OPS: IVCPDS_COMPONENT_BIT_TMPLT PUI: USFC96IM0048K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-017	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0102 CMD: READ DATA PORT COMMAND OPS: IVCPDS_READ_BLOCK_TMPLT PUI: USFC96IM0049K GMT _____:_____:_____ (HR:MIN:SEC)	
49-018	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0104 CMD: COMMAND LINE COMMAND OPS: IVCPDS_COMMAND_LINE_TMPLT PUI: USFC96IM0052K GMT _____:_____:_____ (HR:MIN:SEC)	
49-019	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FE CMD: INSTRUMENT LEVEL RESET COMMAND OPS: IVCPDS_INSTRUMENT_RESET PUI: USFC96IM0038K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-020	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FD CMD: ACQUIRE MODE COMMAND OPS: IVCPDS_ACQUIRE PUI: USFC96IM0037K GMT _____:_____:_____ (HR:MIN:SEC)	
49-021	KCDH	SSFE	PASS-1000 STOP RECORDING LB CHECS-JEM BUS DATA GMT _____:_____:_____ (HR:MIN:SEC) NOT PERFORMED:_____ (PREVIOUS 9 STEPS)	
			COMMAND SESSION #3:	
49-022	KCDH	SSFE	PASS-1000 BEGIN RECORDING LB CHECS-JEM BUS DATA RECORD: RT# 27 ALL SUBADDRESSES LOG FILENAME: _____ GMT _____:_____:_____ (DAY:HR:MIN)	
49-023	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FC CMD: STANDBY MODE COMMAND OPS: IVCPDS_STANDBY PUI: USFC96IM0036K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-024	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00E5 SETUP DUMP PIPE FROM C&C TO PL MDM LADD96IM0844K PRIM_CCS_SETUP_DATA_DUMP_TMPLT (LADP01MDC025L) LADP01MD0601K BUS ID = CB INT-1 (6) LADP01MD0602K DUMP TYPE = NORMAL (0) LADP01MD0603K REMOTE TERMINAL = 24 LADP01MD0604K SUBADDRESS = 14 LADP01MD0605K BIA SUBADDRESS = 32 GMT _____:_____:_____ (DAY:HR:MIN)	
49-025	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0107 CMD: NORMAL DATA DUMP COMMAND OPS: IVCPDS_START_DUMP_TMPLT PUI: USFC96IM0066K GMT _____:_____:_____ (HR:MIN:SEC)	
49-026	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00D1 SETUP DUMP PIPE FROM PLMDM TO PAYLOAD TO CPDS LADD95SM0070K PRIM_PL_SETUP_DATA_DUMP_TMPLT (LADP10MDZZ19L) USDG12MD0019K BUS ID = LB CHECS-JEM (7) USDG12MD0021K DUMP TYPE = NORMAL (0) USDG12MD0017K RT ADDRESS = 27 USDG12MD0016K SUBADDRESS = 14 USDG12MD0020K BIA SA = 14 GMT _____:_____:_____ (HR:MIN:SEC)	
49-027	KCDH		TCMS DUMP PAGE VERIFY IVCPDS DUMP ACTIVE (WORD 1 = 0X0FBF, APID 1983)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

THE IVCPDS DUMP WILL TAKE APPROXIMATELY 9 MINUTES AND 42 SECONDS TO COMPLETE. SINCE THE DUMP COMMAND IS SENT BEFORE THE SETUP PIPE, BE SURE TO ALLOW TIME FOR THE DUMP TO START BACK AT THE PLACE WHERE IT WAS WHEN THE PIPE BECAME ACTIVE TO GET THE FULL DUMP ARCHIVED. (REFERENCE FILE/BLOCK NUMBERS ON DMON.) THE FOLLOWING COMMAND WILL TERMINATE THE DUMP.

49-028 KCDH SSFE CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X00FF

CMD: NULL COMMAND
OPS: IVCPDS_NULL_RESET
PUI: USFC96IM0040K

GMT _____:_____:_____ (HR:MIN:SEC)

NOTE

THE ACQUIRE COMMAND WILL CAUSE THE IVCPDS TO RESET, WHICH AFFECTS THE DUMP HEADER. TO ENSURE NO IMPACT TO THE SBAND DOWNLINK, THE FOLLOWING STEP REMOVES THE DUMP PIPE FROM THE PL-MDM TO THE IVCPDS.

49-029 KCDH SSFE CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X00D2

PUI: LADD96IM0415K
OPS: PRIM_PL_START_DATA_DUMP_TMPLT
(NORMAL DUMP PL-MDM BST 0A0500, # OF WORDS=86)

GMT _____:_____:_____ (DAY:HR:MIN)

49-030 KCDH TCMS DUMP PAGE
VERIFY PL-MDM DUMP ACTIVE
(WORD 1 = 0X0CD5, APID 1237)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-031	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FD CMD: ACQUIRE MODE COMMAND OPS: IVCPDS_ACQUIRE PUI: USFC96IM0037K GMT _____:_____:_____ (HR:MIN:SEC)	
49-032	KCDH	SSFE	PASS-1000 STOP RECORDING LB CHECS-JEM BUS DATA GMT _____:_____:_____ (HR:MIN:SEC)	
				NOT PERFORMED:_____ (PREVIOUS 11 STEPS)
			COMMAND SESSION #4:	
49-033	KCDH	SSFE	PASS-1000 BEGIN RECORDING LB CHECS-JEM BUS DATA RECORD: RT# 27 ALL SUBADDRESSES LOG FILENAME: _____ GMT _____:_____:_____ (DAY:HR:MIN)	
49-034	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FC CMD: STANDBY MODE COMMAND OPS: IVCPDS_STANDBY PUI: USFC96IM0036K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-035	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0103 CMD: WRITE PORT COMMAND OPS: IVCPDS_WRITE_BLOCK_TMPLT PUI: USFC96IM0050K GMT _____:_____:_____ (HR:MIN:SEC)	
49-036	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0105 CMD: DIRECTORY COMMAND OPS: IVCPDS_DIRECTORY PUI: USFC96IM0053K GMT _____:_____:_____ (HR:MIN:SEC)	
49-037	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0106 CMD: MASS MEMORY COMMAND OPS: IVCPDS_MASS_MEMORY_STATUS PUI: USFC96IM0054K GMT _____:_____:_____ (HR:MIN:SEC)	
49-038	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00F9 CMD: RETRIEVE BIT COMMAND OPS: IVCPDS_RETRIEVE_BIT_TMPLT PUI: USFC96IM0014K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-039	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FD CMD: ACQUIRE MODE COMMAND OPS: IVCPDS_ACQUIRE PUI: USFC96IM0037K GMT _____:_____:_____ (HR:MIN:SEC)	
49-040	KCDH	SSFE	PASS-1000 STOP RECORDING LB CHECS-JEM BUS DATA GMT _____:_____:_____ (HR:MIN:SEC)	
				NOT PERFORMED:_____ (PREVIOUS 8 STEPS)
			COMMAND SESSION #5:	
49-041	KCDH	SSFE	PASS-1000 BEGIN RECORDING LB CHECS-JEM BUS DATA RECORD: RT# 27 ALL SUBADDRESSES LOG FILENAME: _____ GMT _____:_____:_____ (DAY:HR:MIN)	
49-042	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FC CMD: STANDBY MODE COMMAND OPS: IVCPDS_STANDBY PUI: USFC96IM0036K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-043	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00E5 SETUP DUMP PIPE FROM C&C TO PL MDM LADD96IM0844K PRIM_CCS_SETUP_DATA_DUMP_TMPLT (LADP01MDC025L) LADP01MD0601K BUS ID = CB INT-1 (6) LADP01MD0602K DUMP TYPE = NORMAL (0) LADP01MD0603K REMOTE TERMINAL = 24 LADP01MD0604K SUBADDRESS = 14 LADP01MD0605K BIA SUBADDRESS = 32 GMT _____:_____:_____ (DAY:HR:MIN)	
49-044	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X0107 CMD: NORMAL DATA DUMP COMMAND OPS: IVCPDS_START_DUMP_TMPLT PUI: USFC96IM0066K GMT _____:_____:_____ (HR:MIN:SEC)	
49-045	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00D1 SETUP DUMP PIPE FROM PLMDM TO PAYLOAD TO CPDS LADD95SM0070K PRIM_PL_SETUP_DATA_DUMP_TMPLT (LADP10MDZZ19L) USDG12MD0019K BUS ID = LB CHECS-JEM (7) USDG12MD0021K DUMP TYPE = NORMAL (0) USDG12MD0017K RT ADDRESS = 27 USDG12MD0016K SUBADDRESS = 14 USDG12MD0020K BIA SA = 14 GMT _____:_____:_____ (HR:MIN:SEC)	
49-046	KCDH		TCMS DUMP PAGE VERIFY IVCPDS DUMP ACTIVE (WORD 1 = 0X0FBF, APID 1983)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

NOTE

THE IVCPDS DUMP WILL TAKE APPROXIMATELY 9 MINUTES AND 42 SECONDS TO COMPLETE. SINCE THE DUMP COMMAND IS SENT BEFORE THE SETUP PIPE, BE SURE TO ALLOW TIME FOR THE DUMP TO START BACK AT THE PLACE WHERE IT WAS WHEN THE PIPE BECAME ACTIVE TO GET THE FULL DUMP ARCHIVED. (REFERENCE FILE/BLOCK NUMBERS ON DMON.) THE FOLLOWING COMMAND WILL TERMINATE THE DUMP.

49-047 KCDH SSFE CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X00FF

CMD: NULL COMMAND
OPS: IVCPDS_NULL_RESET
PUI: USFC96IM0040K

GMT _____:_____:_____ (HR:MIN:SEC)

NOTE

THE ACQUIRE COMMAND WILL CAUSE THE IVCPDS TO RESET, WHICH AFFECTS THE DUMP HEADER. TO ENSURE NO IMPACT TO THE SBAND DOWNLINK, THE FOLLOWING STEP REMOVES THE DUMP PIPE FROM THE PL-MDM TO THE IVCPDS.

49-048 KCDH SSFE CES MATE
LOAD AND RUN MATE SCRIPT
MEIT3_MATE_CMDS
INDEX: 0X00D2
PUI: LADD96IM0415K
OPS: PRIM_PL_START_DATA_DUMP_TMPLT
(NORMAL DUMP PL-MDM BST 0A0500, # OF WORDS=86)

GMT _____:_____:_____ (DAY:HR:MIN)

49-049 KCDH TCMS DUMP PAGE
VERIFY PL-MDM DUMP ACTIVE
(WORD 1 = 0X0CD5, APID 1237)

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-050	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FD CMD: ACQUIRE MODE COMMAND OPS: IVCPDS_ACQUIRE PUI: USFC96IM0037K GMT _____:_____:_____ (HR:MIN:SEC)	
49-051	KCDH	SSFE	PASS-1000 STOP RECORDING LB CHECS-JEM BUS DATA GMT _____:_____:_____ (HR:MIN:SEC)	
				NOT PERFORMED:_____ (PREVIOUS 11 STEPS)
			COMMAND SESSION #6:	
49-052	KCDH	SSFE	PASS-1000 BEGIN RECORDING LB CHECS-JEM BUS DATA RECORD: RT# 27 ALL SUBADDRESSES LOG FILENAME: _____ GMT _____:_____:_____ (DAY:HR:MIN)	
49-053	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FC CMD: STANDBY MODE COMMAND OPS: IVCPDS_STANDBY PUI: USFC96IM0036K GMT _____:_____:_____ (HR:MIN:SEC)	
49-054	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FA CMD: ERASE MEMORY COMMAND OPS: IVCPDS_FLUSH_TMPLT PUI: USFC96IM0015K GMT _____:_____:_____ (HR:MIN:SEC)	

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
49-055	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FB CMD: VALIDATE ERASE MEMORY COMMAND OPS: IVCPDS_VALIDATE_AND_ERASE_TMPLT PUI: USFC96IM0016K GMT _____:_____:_____ (HR:MIN:SEC)	
49-056	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FE CMD: INSTRUMENT LEVEL RESET COMMAND OPS: IVCPDS_INSTRUMENT_RESET PUI: USFC96IM0038K GMT _____:_____:_____ (HR:MIN:SEC)	
49-057	KCDH	SSFE	CES MATE LOAD AND RUN MATE SCRIPT MEIT3_MATE_CMDS INDEX: 0X00FD CMD: ACQUIRE MODE COMMAND OPS: IVCPDS_ACQUIRE PUI: USFC96IM0037K GMT _____:_____:_____ (HR:MIN:SEC)	
49-058	KCDH	SSFE	PASS-1000 STOP RECORDING LB CHECS-JEM BUS DATA GMT _____:_____:_____ (HR:MIN:SEC)	
				NOT PERFORMED:_____ (PREVIOUS 7 STEPS)
49-059	KCDH PTC	ALL DKQM	OPERATION SUPPORT SETUP - CHECS DATA ACQUISITION COMPLETE. GMT _____:_____:_____(DAY:HR:MIN)	

NV:_____

SECTION III - OPERATION SUPPORT SETUP INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

SEQUENCES 50-000 THROUGH 89-000 ARE RESERVED

SECTION IV - OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

REFER TO R0031V2 AND R0031V3 FOR OPERATION INSTRUCTIONS

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

90-000 **POST OPERATION INSTRUCTION - CHECS HARDWARE DE-CONFIGURATION**

NOTE

THE FOLLOWING SEQUENCE WILL DECONFIGURE THE CHECS HARDWARE IN THE JEM MODULE.

90-001 PTC DKQM RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____ (DAY:HR:MIN)

NV:_____

NOTE

THE UTILITY OUTLET PANELS IN THE JEM THAT SUPPORT A CHECS ORU ARE SHOWN IN FIG. 1.

JEM UOP LOCATION	**UOP DESIGNATION**	**DATA BUS (J3 CONNECTOR)**	**DATA BUS (J4 CONNECTOR)**	**POWER SOURCE/ SWITCH**
ISPR F2 FWD FLOOR	A1_FD2	1553 LB CHECS-JEM	N/A	PDU A2 RPC 11
ISPR A6 AFT FLOOR	B3_AD6	1553 LB CHECS-JEM	ETHERNET (PCS LAN)	PDU B2 RPC 12

FIG. 1 JEM CHECS UOP CONNECTION DIAGRAM

NOTE

THE WORDS "UOP LOCATION" AND "UOP CONNECTOR" IN THE REMAINDER OF THIS PROCEDURE WILL REFER TO THE DATA RECORDED IN THE FOLLOWING STEP.

90-002 KCDH JEM
RECORD
UOP LOCATION : _____

UOP CONNECTOR: _____
(CHECS ORU USES J3 ONLY)

TL:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
90-003	KCDH	SJT1	JEM VERIFY: CHECS SPECTROMETER POWER LED – OFF T:_____	
			NOTE IF THE JEM MODULE IS POWERED OFF, TAKE A 'NOT PERFORMED' ON THE FOLLOWING STEP.	
90-004	KCDH	MS1	PCS JEM EPS:JEM UOPS 'JEM UOPS' VERIFY: UOP LOCATION RPC SWITCH – OPEN NOT PERFORMED:_____	
90-005	KCDH	SJT1	JEM VERIFY: UOP LOCATION RESET LIGHT – NOT ILLUMINATED T:_____	
90-006	KCDH	SJT1 DKQN NSQ	JEM DISCONNECT IVCPDS/TEPC POWER/DATA CABLE CONNECTOR "TO UOP J3 OR J4" FROM JEM UOP CONNECTOR J3. OK TO DISCONNECT TNW:_____ OK TO DISCONNECT JW:_____ DISCONNECT OK TNW:_____ DISCONNECT OK JW:_____	

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
90-007	KCDH	SJT1	JEM	
		DKQN	DISCONNECT IVCPDS/TEPC POWER/DATA CABLE CONNECTOR “TO IVCPDS J1” FROM CHECS SPECTROMETER DEVICE CONNECTOR J1.	
			OK TO DISCONNECT	TNW:_____
			DISCONNECT OK	TNW:_____
90-008	KCDH	SJT1	JEM	
		NSQ	INSTALL TETHERED CONNECTOR CAP ON UOP CONNECTOR.	
				T:_____
				JW:_____
90-009	KCDH	SJT1	JEM	
			INSTALL CONNECTOR CAPS ON IVCPDS/TEPC POWER/DATA CABLE (PART NO. SEG16103090-305).	
				T:_____
90-010	TIE PTC 052	PTC	POST-OPERATION INSTRUCTION - CHECS HARDWARE	
		DKQM	DE-CONFIGURATION COMPLETE.	
			GMT _____:_____:_____ (DAY:HR:MIN)	
				NV:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

91-000 **POST-OPERATION INSTRUCTION - DISCONNECT USOS PCS LAPTOP FROM NODE2 UTILITY OUTLET PANEL**

91-001 PTC 052 DKQM RECORD THE FOLLOWING INFORMATION:

GMT _____:_____:_____(DAY:HR:MIN)

NV:_____

NOTE

THIS SEQUENCE PERFORMS THE DISCONNECTION AND REMOVAL OF ONE FLIGHT IBM THINKPAD 760 SERIES LAPTOP FROM ONE NODE2 UTILITY OUTLET PANEL (UOP). REFERENCE FIGURE 1: PCS/NODE2 UOP CONNECTION DIAGRAM.

NOTE

THE UTILITY OUTLET PANELS IN THE NODE2 PROVIDE BOTH 120VDC POWER AND 1553 OR ETHERNET DATA CONNECTIONS (REFERENCE THE TABLE BELOW).

NODE2 UOP LOCATION	UOP DESIGNATION	DATA BUS (J3 CONNECTOR)	DATA BUS (J4 CONNECTOR)	POWER SOURCE
NODE2 AFT ENDCONE (PORT SIDE)	UOP1	1553 CB-INT-1	ETHERNET APM PWS	RPCM A NAD 1A4A/SWITCH 17

FIG. 1 NODE2 PCS/UOP CONNECTION DIAGRAM

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE THE WORDS "UOP LOCATION" AND "UOP CONNECTOR" IN THE REMAINDER OF THIS PROCEDURE WILL REFER TO THE DATA RECORDED IN THE FOLLOWING STEP.	
91-002	KCDH		NODE2 RECORD UOP LOCATION: _____ UOP CONNECTOR: _____ (MEIT3 UTILIZES J3 ONLY)	TL:_____
91-003	KCDH	SNT1	NODE2 VERIFY: 1. PCS CONNECTED AT UOP1 – POWERED OFF 2. UOP1 - POWERED OFF	T:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

DISCONNECT VGA CABLE FROM PCS

NOTE

PERFORM THE FOLLOWING STEP IF A VGA VIDEO CABLE IS CONNECTED TO THE LAPTOP TO SUPPORT GROUND TESTING.

91-004 KCDH SNT1 NODE2
DKQN DISCONNECT VGA EXTENDER CABLE (PART NO. N/A) FROM THE LAPTOP EXTERNAL MONITOR PORT (FEMALE CONNECTOR LOCATED IN THE CENTER OF THE BACK PANEL).

OK TO DISCONNECT TNW:_____

DISCONNECT OK TNW:_____

NOT PERFORMED:_____

DISCONNECT PCS FROM UOP

91-005 KCDH SNT1 NODE2
DKQN DISCONNECT 1553 DATA/120V POWER CABLE ASSY (PART NO. SEZ39129268-303) CONNECTOR "UOP" FROM UOP CONNECTOR.

OK TO DISCONNECT TNW:_____

DISCONNECT OK TNW:_____

UPDATE ECDL LI _____TLNV:_____

91-006 KCDH SNT1 NODE2
REPLACE TETHERED CONNECTOR CAP ONTO UOP CONNECTOR.

T:_____

91-007 KCDH SNT1 NODE2
REPLACE TETHERED CONNECTOR CAP ONTO 1553 DATA/120V POWER CABLE ASSY (PART NO. SEZ39129268-303) CONNECTOR "UOP".

T:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
91-008	KCDH	SNT1	NODE2	
		DKQN	DISCONNECT PCMCIA 1553 Y-ADAPTER CABLE (PART NO. SDG39129273-301) PCMCIA COAX CONNECTORS FROM UOP 1553 DATA/120VDC POWER CABLE ASSY (PART NO. SEZ39129268-303) COAX CONNECTORS AS FOLLOWS:	
			(BLUE)Y-ADAPTER "A" FROM (RED)UOP CABLE "CHAN A"	
			OK TO DISCONNECT	TNW:_____
			DISCONNECT OK	TNW:_____
			"B" FROM "CHAN B"	
			OK TO DISCONNECT	TNW:_____
			DISCONNECT OK	TNW:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

CAUTION

THE PCMCIA CONNECTION IS VERY DELICATE.

CARE MUST BE TAKEN NOT TO EXCESSIVELY BEND THE PCMCIA Y-ADAPTER CABLE CONNECTOR WHILE DISCONNECTING FROM THE PCMCIA CARD IN THE NEXT STEP.

91-009 KCDH SNT1 NODE2
DKQN DISCONNECT PCMCIA 1553 Y-ADAPTER CABLE (PART NO. SDG39129273-301) PCMCIA CONNECTOR FROM MIL-STD-1553 PCMCIA CARD.

OK TO DISCONNECT TNW:_____

DISCONNECT OK TNW:_____

91-010 KCDH SNT1 NODE2
DKQN REMOVE MIL-STD-1553 PCMCIA CARD (PART NO. SDG39129273-301) FROM IBM THINKPAD 760XD LAPTOP (PART NO. SDZ39129262-303) UPPER PCMCIA CARD SLOT.

OK TO DISCONNECT TNW:_____

DISCONNECT OK TNW:_____

91-011 KCDH SNT1 NODE2
DKQN DISCONNECT 20V POWER CABLE ASSY (PART NO. SEG39129263-301) CONNECTOR "TO COMPUTER POWER RECEPTACLE" FROM IBM THINKPAD 760XD LAPTOP (PART NO. SDZ39129262-303) POWER RECEPTACLE.

OK TO DISCONNECT TNW:_____

DISCONNECT OK TNW:_____

91-012 KCDH SNT1 NODE2
REPLACE TETHERED CONNECTOR CAP ONTO IBM THINKPAD 760XD LAPTOP (PART NO. SDZ39129262-303) POWER RECEPTACLE.

T:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
91-013	KCDH	SNT1	NODE2	
		DKQN	DISCONNECT 20V POWER CABLE ASSY (PART NO. SEG39129263-301) CONNECTOR "TO POWER SUPPLY" FROM 120VDC/16VDC POWER SUPPLY (PART NO. SEG39129272-303) CONNECTOR "J2 16VDC OUTPUT".	
			OK TO DISCONNECT	TNW:_____
			DISCONNECT OK	TNW:_____
91-014	KCDH	SNT1	NODE2	
			REPLACE TETHERED CONNECTOR CAP ONTO 120VDC/16VDC POWER SUPPLY (PART NO. SEG39129272-303) CONNECTOR "J2 16VDC OUTPUT".	
				T:_____
91-015	KCDH	SNT1	NODE2	
		DKQN	DISCONNECT 1553 DATA/120V POWER CABLE ASSY (PART NO. SEZ39129268-303) CONNECTOR "DC POWER" FROM 120VDC/16VDC POWER SUPPLY (PART NO. SEG39129272-303) CONNECTOR "J1 120VDC INPUT".	
			OK TO DISCONNECT	TNW:_____
			DISCONNECT OK	TNW:_____
91-016	KCDH	SNT1	NODE2	
			REPLACE TETHERED CONNECTOR CAP ONTO 1553 DATA/120V POWER CABLE ASSY (PART NO. SEZ39129268-301) CONNECTOR "DC POWER"	
				T:_____
91-017	KCDH	SNT1	NODE2	
			REPLACE TETHERED CONNECTOR CAP ONTO 120VDC/16VDC POWER SUPPLY (PART NO. SEG39129272-303) CONNECTOR "J1 120VDC INPUT".	
				T:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

91-018 KCDH RECORD SERIAL NUMBERS FOR THE PCS AND ASSOCIATED EQUIPMENT IN THE TABLE BELOW:

PART NO.	SERIAL NO.	NOMENCLATURE	QTY
SDG39129273-301 (BU65550M2-605)		MIL-STD-1553 PCMCIA CARD	1
SDZ39129262-303		IBM THINKPAD 760XD LAPTOP (PCS)(INCLU CD-ROM DRIVE, BATTERY PACK, 3GB HARD DRIVE)	1
SDG39129273-301		PCMCIA 1553 Y-ADAPTER CABLE	1
SEG39129263-301		20VDC POWER CABLE	1
SED39129272-303		120VDC/16VDC POWER SUPPLY	1
SEZ39129268-303		UOP 1553 DATA/120V POWER CABLE ASSEME	1
SDZ39131205-301		PCS EXTERNAL FLOPPY DRIVE	1

TL:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

REMOVE EXTERNAL FLOPPY DRIVE FROM PCS LAPTOP

NOTE

THE FOLLOWING STEPS PERFORM THE DISCONNECTION OF AN EXTERNAL FLOPPY DRIVE FROM AN IBM THINKPAD 760 SERIES LAPTOP. THIS SEQUENCE ASSUMES THAT THE LAPTOP IS POWERED OFF. IT IS NOT RECOMMENDED TO DISCONNECT THE EXTERNAL FLOPPY DRIVE WHILE THE LAPTOP IS RUNNING. IF IT IS NOT NECESSARY TO DISCONNECT THE FLOPPY DRIVE, TAKE A NOT PERFORMED ON THE FOLLOWING FIVE STEPS.

91-019 KCDH

RECORD
PCS LAPTOP
PART NO: _____

SERIAL NO: _____

DISKETTE DRIVE
PART NO: _____

SERIAL NO: _____

EXTERNAL DISKETTE DRIVE CASE
PART NO: _____

SERIAL NO: _____

TL:_____

91-020 KCDH SNT1 DKQN

DISCONNECT THE EXTERNAL DISKETTE DRIVE CONNECTOR FROM THE EXTERNAL DISKETTE DRIVE CONNECTOR AT THE REAR OF THE PCS LAPTOP.

OK TO DISCONNECT TNW:_____

DISCONNECT OK TNW:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
			NOTE PERFORM THE FOLLOWING THREE STEPS IF THE DISKETTE DRIVE IS TO BE REMOVED FROM THE EXTERNAL DISKETTE DRIVE CASE.	
91-021	KCDH	SNT1	REMOVE TOP COVER OF EXTERNAL DISKETTE DRIVE CASE BY HOLDING THE BOTTOM OF THE CASE AND SLIDING THE TOP COVER TO THE REAR, THEN TILT THE FRONT UP AND OUT.	T:_____
91-022	KCDH	SNT1	REMOVE THE DISKETTE DRIVE INTO THE CASE BY HOLDING THE TWO BLUE TABS AT THE REAR HANDLE AND CAREFULLY PULLING STRAIGHT UP AND OUT.	T:_____
91-023	KCDH	SNT1	REPLACE TOP COVER OF EXTERNAL DISKETTE DRIVE CASE BY PLACING THE REAR COVER KNOBS IN THE BOTTOM CASE SLOTS, PIVOTING THE COVER DOWN ONTO THE BOTTOM OF THE CASE, THEN SLIDING THE COVER FROM THE REAR TO THE FRONT, UNTIL IT SNAPS INTO PLACE.	T:_____
				NOT PERFORMED:_____ (PREV. 3 STEPS)
				NOT PERFORMED:_____ (PREV. 5 STEPS)
91-024	KEPS PTC 052	PTC DKQM	POST-OPERATION INSTRUCTION – DISCONNECT USOS PCS LAPTOP FROM NODE2 UTILITY OUTLET PANEL COMPLETE. GMT _____:_____:_____(DAY:HR:MIN)	NV:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
92-000			**POST OPERATION INSTRUCTION – DECONFIGURATION – JEM RMS**	
92-001	PTC 052	DKQM	RECORD THE FOLLOWING INFORMATION: SEQ/STEP THAT CALLED THIS SETUP _____ GMT _____:_____:_____(DAY:HR:MIN) NV:_____	
92-002	KCTE TLM TLM	TLM RLT NSQ	JEM DISCONNECT THE BUS MONITOR CABLE FROM RMS CONSOLE CONNECTOR PANEL CPP 3778 AND THE FOLLOWING BUS MONITORS 1. WORKSTATION BUS OK TO DISCONNECT TJW:_____ DISCONNECT OK TJW:_____ NOT PERFORMED:_____ 2. CONSOLE BUS OK TO DISCONNECT TJW:_____ DISCONNECT OK TJW:_____ NOT PERFORMED:_____ 3. ARM BUS OK TO DISCONNECT TJW:_____ DISCONNECT OK TJW:_____ NOT PERFORMED:_____	

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
92-003	KTCE PTC	PTC DKQM	POST-OPERATION INSTRUCTION – DECONFIGURATION - JEM RMS COMPLETE. GMT _____:_____:_____(DAY:HR:MIN) NV:_____	

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
93-000			**POST-OPERATION CONFIGURATION – RESERVED**	

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.
94-000			**POST OPERATION INSTRUCTION – PROCEDURE CLOSURE**	
94-001			CLOSE THIS PROCEDURE.	
				NV:_____
				TL:_____
94-002			CM REVIEW COMPLETE.	
				CM:_____

SECTION V - POST OPERATION INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

SEQUENCES 95-000 THROUGH 99-000 ARE RESERVED

ILLUSTRATIONS

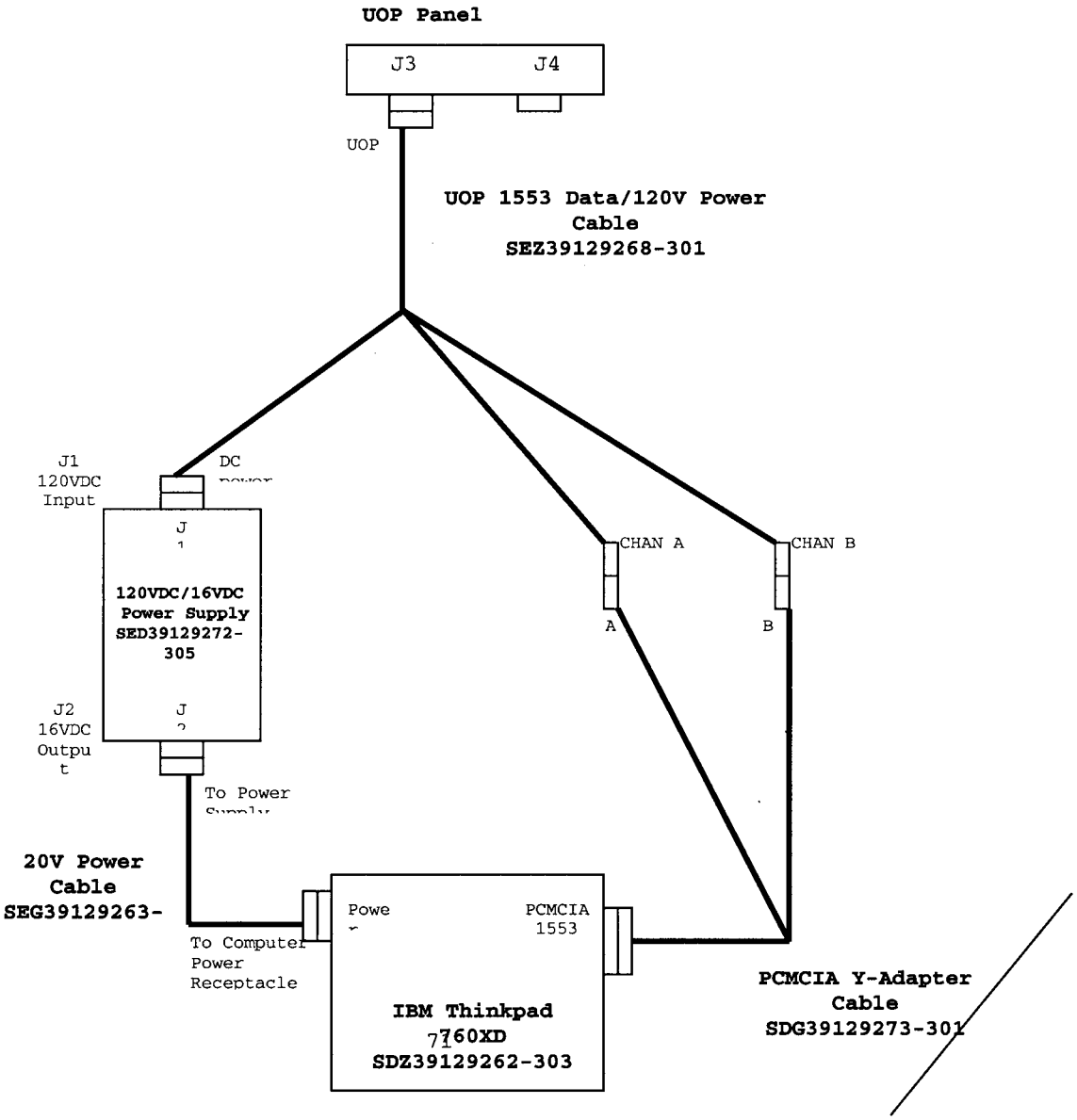

FIGURE 1 – PCS-TO-JEM/NODE2 UOP CONNECTION DIAGRAM

APPENDIX QA

OPERATION INSTRUCTIONS WILL BE CALLED FOR EXECUTION VIA THE BAR CHART AGREED UPON IN THE PMR MEETINGS. OPERATION SUPPORT SETUPS ARE CALLED FROM THE OPERATION INSTRUCTIONS.

APPENDIX S - SAFETY DATA SHEETS

NOT APPLICABLE

APPENDIX Z - EMERGENCY INSTRUCTIONS

SEQ/STEP	CMD	RESP	DESCRIPTION	VERIF.

EMERGENCY INSTRUCTIONS ARE LOCATED IN R0031V3

********** END-OF-OMI **********